

J E S 2 J O B L O G

06.59.26 JOB 596 \$HASP373 WM00017 STARTED - INIT 1 - CLASS A - SYS HMVS
06.59.26 JOB 596 IEF403I WM00017 - STARTED - TIME=06.59.26
06.59.26 JOB 596 IEFACTRT HMASMP /HMASMP /00:00:00.08/00:00:00.17/00004/WM00017
06.59.35 JOB 596 IEFACTRT HMASMP /HMASMP /00:00:07.56/00:00:08.72/00000/WM00017
06.59.35 JOB 596 IEF404I WM00017 - ENDED - TIME=06.59.35
06.59.35 JOB 596 \$HASP395 WM00017 ENDED

----- JES2 JOB STATISTICS -----

28 JAN 22 JOB EXECUTION DATE

492 CARDS READ

30,434 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.14 MINUTES EXECUTION TIME

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1 //WM00017 JOB (SYSGEN),'USERMOD: WM00017', JOB 596
// CLASS=A,
// MSGCLASS=X,
// MSGLEVEL=(1,1),
// REGION=4096K
***JOBPARM LINES=100
2 //JOBLIB DD DISP=SHR,DSN=SYS1.LINKLIB
3 //RECEIVE EXEC SMPREC,WORK='SYSALLDA'
4 XXSMPREC PROC WORK=3350, WORK UNIT 00000010
XX TUNIT=3350, TLIB UNIT 00000020
XX TVOL=WORK00 TLIB VOLUME 00000030
*** ***** * 00000040
*** RECEIVE USER MOD * 00000050
*** ***** * 00000060
5 XXHMASMP EXEC PGM=HMASMP,PARM='DATE=U',REGION=5120K,TIME=1440 00000070
6 XXSYSUT1 DD UNIT=&WORK,SPACE=(1700,(600,100)) 00000080
7 XXSYSUT2 DD UNIT=&WORK,SPACE=(1700,(600,100)) 00000090
8 XXSYSUT3 DD UNIT=&WORK,SPACE=(1700,(600,100)) 00000100
9 XXSYSUT4 DD UNIT=&WORK,SPACE=(80,(2,2)) 00000110
10 XXSYSPRINT DD SYSOUT=* 00000120
11 XXASMPRINT DD SYSOUT=* 00000130
12 XXCMPPRINT DD SYSOUT=* 00000140
13 XXCOPPRINT DD SYSOUT=* 00000150
14 XXLKDPRINT DD SYSOUT=* 00000160
15 XXE37PRINT DD SYSOUT=* 00000170
16 XXUPDPRINT DD SYSOUT=* 00000180
17 XXZAPPRINT DD SYSOUT=* 00000190
***** SMP DATASETS ***** 00000200
18 XXSMPOUT DD SYSOUT=* 00000210
19 XXSMPLOG DD DUMMY 00000220
20 XXSMPTLIB DD DISP=OLD,UNIT=&TUNIT,VOL=SER=&TVOL 00000230
21 XXSYSLIB DD DISP=SHR,DSN=SYS1.SMPMTS,DCB=BLKSIZE=32720 00000240
22 XX DD DISP=SHR,DSN=SYS1.SMPSTS 00000250
23 XX DD DISP=SHR,DSN=SYS1.MACLIB 00000260
24 XX DD DISP=SHR,DSN=SYS1.AMODGEN 00000270
25 XX DD DISP=SHR,DSN=SYS1.AMACLIB 00000280
26 XX DD DISP=SHR,DSN=SYS1.HASPSRC 00000290
27 XX DD DISP=SHR,DSN=SYS1.APVTMACS 00000300
28 XXSMPACDS DD DISP=SHR,DSN=SYS1.SMPACDS 00000310
29 XXSMPACRQ DD DISP=SHR,DSN=SYS1.SMPACRQ 00000320
30 XXSMPSCDS DD DISP=SHR,DSN=SYS1.SMPSCDS 00000330
31 XXSMPPCRQ DD DISP=SHR,DSN=SYS1.SMPPCRQ 00000340
32 XXSMPMTS DD DISP=SHR,DSN=SYS1.SMPMTS 00000350
33 XXSMPPTS DD DISP=SHR,DSN=SYS1.SMPPTS 00000360
34 XXSMPSTS DD DISP=SHR,DSN=SYS1.SMPSTS 00000370
35 XXSMPSCDS DD DISP=SHR,DSN=SYS1.SMPSCDS 00000380
36 XXSMPWRK1 DD UNIT=&WORK,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
XX LRECL=80) 00000390
00000400
37 XXSMPWRK2 DD UNIT=&WORK,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
XX LRECL=80) 00000410
00000420
38 XXSMPWRK3 DD UNIT=&WORK,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
XX LRECL=80) 00000430
00000440
39 XXSMPWRK4 DD UNIT=&WORK,SPACE=(CYL,(1,10,84)),DCB=(BLKSIZE=3120,
XX LRECL=80) 00000450
00000460
40 XXSMPWRK5 DD UNIT=&WORK,SPACE=(CYL,(30,10,250)) 00000470
41 //SMPPTFIN DD *
42 //SMPCNTL DD *
***
43 //APPLY EXEC SMPAPP,COND=(5,LE),WORK='SYSALLDA'
*** ***** * 00000010
*** APPLY/RESTORE USER MOD * 00000020

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44  *** ***** * 00000030
    XXSMPAPP  PROC WORK=3350,          WORK UNIT          00000040
    XX          TUNIT=3350,          TLIB UNIT          00000050
    XX          TVOL=WORK00          TLIB VOLUME        00000060
45  XXHMASMP  EXEC PGM=HMASMP,PARM='DATE=U',REGION=5120K,TIME=1439 00000070
46  //HMASMP.SYSUT1 DD UNIT=&WORK,SPACE=(1700,(1000,200))
    X/SYSUT1   DD UNIT=&WORK,SPACE=(1700,(600,100))          00000080
47  //HMASMP.SYSUT2 DD UNIT=&WORK,SPACE=(1700,(1000,200))
    X/SYSUT2   DD UNIT=&WORK,SPACE=(1700,(600,100))          00000090
48  //HMASMP.SYSUT3 DD UNIT=&WORK,SPACE=(1700,(1000,200))
    X/SYSUT3   DD UNIT=&WORK,SPACE=(1700,(600,100))          00000100
49  XXSYSUT4   DD UNIT=&WORK,SPACE=(80,(2,2))                00000110
50  XXSYSPRINT DD SYSOUT=*                                  00000120
51  XXASMPRINT DD SYSOUT=*                                  00000130
52  XXCMPPRINT DD SYSOUT=*                                  00000140
53  XXCOPPRINT DD SYSOUT=*                                  00000150
54  XXLKDPRINT DD SYSOUT=*                                  00000160
55  XXE37PRINT DD SYSOUT=*                                  00000170
56  XXUPDPRINT DD SYSOUT=*                                  00000180
57  XXZAPPRINT DD SYSOUT=*                                  00000190
    ***** SMP DATASETS *****
58  XXSMPOUT   DD SYSOUT=*                                  00000210
59  XXSMPLOG   DD DUMMY                                     00000220
60  XXSMPTLIB  DD DISP=OLD,UNIT=&TUNIT,VOL=SER=&TVOL         00000230
61  XXSYSLIB   DD DISP=SHR,DSN=SYS1.SMPMTS,DCB=BLKSIZE=32720 00000240
62  XX          DD DISP=SHR,DSN=SYS1.SMPSTS                 00000250
63  XX          DD DISP=SHR,DSN=SYS1.MACLIB                 00000260
64  XX          DD DISP=SHR,DSN=SYS1.AMODGEN                00000270
65  XX          DD DISP=SHR,DSN=SYS1.AMACLIB                00000280
66  XX          DD DISP=SHR,DSN=SYS1.HASPSRC                00000290
67  XX          DD DISP=SHR,DSN=SYS1.APVTMACS               00000300
68  XXSMPACDS  DD DISP=SHR,DSN=SYS1.SMPACDS                 00000310
69  XXSMPACRQ  DD DISP=SHR,DSN=SYS1.SMPACRQ                 00000320
70  XXSMPPCDS  DD DISP=SHR,DSN=SYS1.SMPPCDS                 00000330
71  XXSMPPCRQ  DD DISP=SHR,DSN=SYS1.SMPPCRQ                 00000340
72  XXSMPMTS   DD DISP=SHR,DSN=SYS1.SMPMTS                 00000350
73  XXSMPPTS   DD DISP=SHR,DSN=SYS1.SMPPTS                 00000360
74  XXSMPSTS   DD DISP=SHR,DSN=SYS1.SMPSTS                 00000370
75  XXSMPSCDS  DD DISP=SHR,DSN=SYS1.SMPSCDS                 00000380
76  XXSMPWRK1  DD UNIT=&WORK,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
    XX          LRECL=80)                                    00000400
77  XXSMPWRK2  DD UNIT=&WORK,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
    XX          LRECL=80)                                    00000420
78  XXSMPWRK3  DD UNIT=&WORK,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
    XX          LRECL=80)                                    00000440
79  XXSMPWRK4  DD UNIT=&WORK,SPACE=(CYL,(1,10,84)),DCB=(BLKSIZE=3120,
    XX          LRECL=80)                                    00000460
80  XXSMPWRK5  DD UNIT=&WORK,SPACE=(CYL,(30,10,250))         00000470
    ***** DLIB DATASETS *****
    ***** NEEDED ON RESTORE *****
81  XXACMDLIB  DD DISP=SHR,DSN=SYS1.ACMDLIB                 00000500
82  XXAGENLIB  DD DISP=SHR,DSN=SYS1.AGENLIB                 00000510
83  XXAHELP    DD DISP=SHR,DSN=SYS1.AHELP                  00000520
84  XXAIMAGE   DD DISP=SHR,DSN=SYS1.AIMAGE                 00000530
85  XXALPALIB  DD DISP=SHR,DSN=SYS1.ALPALIB                 00000540
86  XXAMACLIB  DD DISP=SHR,DSN=SYS1.AMACLIB                 00000550
87  XXAMODGEN  DD DISP=SHR,DSN=SYS1.AMODGEN                 00000560
88  XXAOS00    DD DISP=SHR,DSN=SYS1.AOS00                  00000570
89  XXAOS03    DD DISP=SHR,DSN=SYS1.AOS03                  00000580
90  XXAOS04    DD DISP=SHR,DSN=SYS1.AOS04                  00000590
91  XXAOS05    DD DISP=SHR,DSN=SYS1.AOS05                  00000600

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92	XXAOS06	DD	DISP=SHR,DSN=SYS1.AOS06	00000610
93	XXAOS07	DD	DISP=SHR,DSN=SYS1.AOS07	00000620
94	XXAOS11	DD	DISP=SHR,DSN=SYS1.AOS11	00000630
95	XXAOS12	DD	DISP=SHR,DSN=SYS1.AOS12	00000640
96	XXAOS20	DD	DISP=SHR,DSN=SYS1.AOS20	00000650
97	XXAOS21	DD	DISP=SHR,DSN=SYS1.AOS21	00000660
98	XXAOS24	DD	DISP=SHR,DSN=SYS1.AOS24	00000670
99	XXAOS26	DD	DISP=SHR,DSN=SYS1.AOS26	00000680
100	XXAOS29	DD	DISP=SHR,DSN=SYS1.AOS29	00000690
101	XXAOS32	DD	DISP=SHR,DSN=SYS1.AOS32	00000700
102	XXAOSA0	DD	DISP=SHR,DSN=SYS1.AOSA0	00000710
103	XXAOSA1	DD	DISP=SHR,DSN=SYS1.AOSA1	00000720
104	XXAOSB0	DD	DISP=SHR,DSN=SYS1.AOSB0	00000730
105	XXAOSB3	DD	DISP=SHR,DSN=SYS1.AOSB3	00000740
106	XXAOSBN	DD	DISP=SHR,DSN=SYS1.AOSBN	00000750
107	XXAOSC2	DD	DISP=SHR,DSN=SYS1.AOSC2	00000760
108	XXAOSC5	DD	DISP=SHR,DSN=SYS1.AOSC5	00000770
109	XXAOSC6	DD	DISP=SHR,DSN=SYS1.AOSC6	00000780
110	XXAOSCA	DD	DISP=SHR,DSN=SYS1.AOSCA	00000790
111	XXAOSCD	DD	DISP=SHR,DSN=SYS1.AOSCD	00000800
112	XXAOSCE	DD	DISP=SHR,DSN=SYS1.AOSCE	00000810
113	XXAOSD0	DD	DISP=SHR,DSN=SYS1.AOSD0	00000820
114	XXAOSD7	DD	DISP=SHR,DSN=SYS1.AOSD7	00000830
115	XXAOSD8	DD	DISP=SHR,DSN=SYS1.AOSD8	00000840
116	XXAOSG0	DD	DISP=SHR,DSN=SYS1.AOSG0	00000850
117	XXAOSH1	DD	DISP=SHR,DSN=SYS1.AOSH1	00000860
118	XXAOSH3	DD	DISP=SHR,DSN=SYS1.AOSH3	00000870
119	XXAOST3	DD	DISP=SHR,DSN=SYS1.AOST3	00000880
120	XXAOST4	DD	DISP=SHR,DSN=SYS1.AOST4	00000890
121	XXAOSU0	DD	DISP=SHR,DSN=SYS1.AOSU0	00000900
122	XXAPARMLIB	DD	DISP=SHR,DSN=SYS1.APARMLIB	00000910
123	XXAPROCLIB	DD	DISP=SHR,DSN=SYS1.APROCLIB	00000920
124	XXASAMPLIB	DD	DISP=SHR,DSN=SYS1.ASAMPLIB	00000930
125	XXATCAMMAC	DD	DISP=SHR,DSN=SYS1.ATCAMMAC	00000940
126	XXATSOMAC	DD	DISP=SHR,DSN=SYS1.ATSOMAC	00000950
127	XXAUADS	DD	DISP=SHR,DSN=SYS1.AUADS	00000960
128	XXHASPSRC	DD	DISP=SHR,DSN=SYS1.HASPSRC	00000970
	***** TARGET DATASETS *****			00000980
	***** NEEDED FOR APPLY *****			00000990
129	XXCMDLIB	DD	DISP=SHR,DSN=SYS1.CMDLIB	00001000
130	XXHELP	DD	DISP=SHR,DSN=SYS1.HELP	00001010
131	XXIMAGELIB	DD	DISP=SHR,DSN=SYS1.IMAGELIB	00001020
132	XXIMAGE	DD	DISP=SHR,DSN=SYS1.IMAGELIB	00001030
133	XXLPALIB	DD	DISP=SHR,DSN=SYS1.LPALIB	00001040
134	XXLINKLIB	DD	DISP=SHR,DSN=SYS1.LINKLIB	00001050
135	XXNUCLEUS	DD	DISP=SHR,DSN=SYS1.NUCLEUS	00001060
136	XXMACLIB	DD	DISP=SHR,DSN=SYS1.MACLIB	00001070
137	XXPARMLIB	DD	DISP=SHR,DSN=SYS1.PARMLIB	00001080
138	XXPROCLIB	DD	DISP=SHR,DSN=SYS1.PROCLIB	00001090
139	XXSAMPLIB	DD	DISP=SHR,DSN=SYS1.SAMPLIB	00001100
140	XXSVCLIB	DD	DISP=SHR,DSN=SYS1.SVCLIB	00001110
141	XXTCOMMAC	DD	DISP=SHR,DSN=SYS1.TCOMMAC	00001120
142	XXTELCMLIB	DD	DISP=SHR,DSN=SYS1.TELCMLIB	00001130
143	XXUADS	DD	DISP=SHR,DSN=SYS1.UADS	00001140
144	XXUMODLIB	DD	DISP=SHR,DSN=SYS1.UMODLIB	00001150
145	XXUMODOBJ	DD	DISP=SHR,DSN=SYS1.UMODOBJ	00001160
146	XXVTAMLIB	DD	DISP=SHR,DSN=SYS1.VTAMLIB	00001170
147	//SMPCNTL	DD	*	
	//			

STMT NO. MESSAGE

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-
  6      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(600,100))
  7      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(600,100))
  8      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(600,100))
  9      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(80,(2,2))
 20      IEF653I SUBSTITUTION JCL - DISP=OLD,UNIT=3350,VOL=SER=WORK00
 36      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
 37      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
 38      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
 39      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(1,10,84)),DCB=(BLKSIZE=3120,
 40      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(30,10,250))
 46      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(1000,200))
 46      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(600,100))
 47      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(1000,200))
 47      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(600,100))
 48      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(1000,200))
 48      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(1700,(600,100))
 49      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(80,(2,2))
 60      IEF653I SUBSTITUTION JCL - DISP=OLD,UNIT=3350,VOL=SER=WORK00
 76      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
 77      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
 78      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(5,10,84)),DCB=(BLKSIZE=3120,
 79      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(1,10,84)),DCB=(BLKSIZE=3120,
 80      IEF653I SUBSTITUTION JCL - UNIT=SYSALLDA,SPACE=(CYL,(30,10,250))
IEF236I ALLOC. FOR WM00017 HMASMP RECEIVE
IEF237I 150  ALLOCATED TO JOBLIB
IEF237I 222  ALLOCATED TO SYSUT1
IEF237I 223  ALLOCATED TO SYSUT2
IEF237I 221  ALLOCATED TO SYSUT3
IEF237I 224  ALLOCATED TO SYSUT4
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO ASMPRINT
IEF237I JES2 ALLOCATED TO CMPPRINT
IEF237I JES2 ALLOCATED TO COPPRINT
IEF237I JES2 ALLOCATED TO LKDPRINT
IEF237I JES2 ALLOCATED TO E37PRINT
IEF237I JES2 ALLOCATED TO UPDPRINT
IEF237I JES2 ALLOCATED TO ZAPPRINT
IEF237I JES2 ALLOCATED TO SMPOUT
IEF237I DMY  ALLOCATED TO SMPLOG
IEF237I 251  ALLOCATED TO SMPTLIB
IEF237I 250  ALLOCATED TO SYSLIB
IEF237I 250  ALLOCATED TO
IEF237I 150  ALLOCATED TO
IEF237I 250  ALLOCATED TO
IEF237I 250  ALLOCATED TO
IEF237I 250  ALLOCATED TO
IEF237I 151  ALLOCATED TO
IEF237I 250  ALLOCATED TO SMPACDS
IEF237I 250  ALLOCATED TO SMPACRQ
IEF237I 250  ALLOCATED TO SMPSCDS
IEF237I 250  ALLOCATED TO SMPCRQ
IEF237I 250  ALLOCATED TO SMPMTS
IEF237I 250  ALLOCATED TO SMPPTS
IEF237I 250  ALLOCATED TO SMPSTS
IEF237I 250  ALLOCATED TO SMPSCDS
IEF237I 225  ALLOCATED TO SMPWRK1
IEF237I 220  ALLOCATED TO SMPWRK2
IEF237I 221  ALLOCATED TO SMPWRK3
IEF237I 220  ALLOCATED TO SMPWRK4
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IEF237I 221 ALLOCATED TO SMPWRK5
IEF237I JES2 ALLOCATED TO SMPPTFIN
IEF237I JES2 ALLOCATED TO SMPCNTL
IEF142I WM00017 HMASMP RECEIVE - STEP WAS EXECUTED - COND CODE 0004
IEF285I  SYS1.LINKLIB                PASSED          *-----0
IEF285I  VOL SER NOS= MVSRES.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000001  DELETED        *-----0
IEF285I  VOL SER NOS= SORTW3.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000002  DELETED        *-----0
IEF285I  VOL SER NOS= SORTW4.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000003  DELETED        *-----0
IEF285I  VOL SER NOS= SORTW2.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000004  DELETED        *-----0
IEF285I  VOL SER NOS= SORTW5.
IEF285I  JES2.JOB00596.SO0104                SYSOUT
IEF285I  JES2.JOB00596.SO0105                SYSOUT
IEF285I  JES2.JOB00596.SO0106                SYSOUT
IEF285I  JES2.JOB00596.SO0107                SYSOUT
IEF285I  JES2.JOB00596.SO0108                SYSOUT
IEF285I  JES2.JOB00596.SO0109                SYSOUT
IEF285I  JES2.JOB00596.SO0110                SYSOUT
IEF285I  JES2.JOB00596.SO0111                SYSOUT
IEF285I  JES2.JOB00596.SO0112                SYSOUT
IEF285I  SYS22028.T065926.RA000.WM00017.R0000005  KEPT           *-----0
IEF285I  VOL SER NOS= WORK00.
IEF285I  SYS1.SMPMTS                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPSTS                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.MACLIB                        KEPT           *-----0
IEF285I  VOL SER NOS= MVSRES.
IEF285I  SYS1.AMODGEN                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.AMACLIB                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.HASPSRC                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.APVTMACS                       KEPT           *-----0
IEF285I  VOL SER NOS= MVS000.
IEF285I  SYS1.SMPACDS                        KEPT           *-----4
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPACRQ                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPCDS                         KEPT           *-----4
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPCRQ                         KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPMTS                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPPTS                        KEPT           *-----269
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPSTS                        KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS1.SMPSCDS                       KEPT           *-----0
IEF285I  VOL SER NOS= SMP000.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000006  DELETED        *-----0
IEF285I  VOL SER NOS= SORTW6.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000007  DELETED        *-----0
IEF285I  VOL SER NOS= SORTW1.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000008  DELETED        *-----0
IEF285I  VOL SER NOS= SORTW2.

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IEF285I  SYS22028.T065926.RA000.WM00017.R0000009      DELETED      *-----0
IEF285I  VOL SER NOS= SORTW1.
IEF285I  SYS22028.T065926.RA000.WM00017.R0000010      DELETED      *-----0
IEF285I  VOL SER NOS= SORTW2.
IEF285I  JES2.JOB00596.SI0101                          SYSIN
IEF285I  JES2.JOB00596.SI0102                          SYSIN
IEF373I  STEP /HMASMP / START 22028.0659
IEF374I  STEP /HMASMP / STOP 22028.0659 CPU      0MIN 00.06SEC SRB      0MIN 00.02SEC VIRT 1048K SYS 324K
**** JOB NAME: WM00017  JOBCARD READ 2022/028 06:59:26 370/148 VS2 R03.8 HMVS *****
*
* STEP NUMBER:          1  USER CORE:          1048K  START TIME:    06:59:26      CPU TIME:      00:00:00.08  ACTIVE TIME:  00:00:00.09 *
* STEP NAME:           HMASMP  SYSTEM CORE:      324K  STOP TIME:     06:59:26      SRB TIME:      00:00:00.02  ALLOC TIME:   06:59:26 *
* PROGRAM NAME:       HMASMP  REGION SIZE:      4096K  ELAPSED TIME:  00:00:00.17  TCB TIME:     00:00:00.06  PROGRAM LOAD: 06:59:26 *
* CONDITION CODE:    00004  PERFORMANCE GROUP: 004
*
* JES2 CARDS:          46      SERVICE UNITS  PAGES IN/OUT  # SWAPS  PAGES SWAP IN/OUT  VIO PAGES IN/OUT *
*                               1,529      0 / 0      0      0 / 0      0 / 0
*
* ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT *
* 150/D3350      0  222/D2314      0  223/D2314      0  221/D2314      0  224/D2314      0  251/D3350      0 *
* 250/D3350      0  250/D3350      0  150/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 151/D3350      0  250/D3350      4  250/D3350      0  250/D3350      4  250/D3350      0  250/D3350      0 *
* 250/D3350     269  250/D3350      0  250/D3350      0  225/D2314      0  220/D2314      0  221/D2314      0 *
* 220/D2314      0  221/D2314      0
*****
IEF236I  ALLOC. FOR WM00017 HMASMP APPLY
IEF237I  150  ALLOCATED TO JOBLIB
IEF237I  221  ALLOCATED TO SYSUT1
IEF237I  220  ALLOCATED TO SYSUT2
IEF237I  225  ALLOCATED TO SYSUT3
IEF237I  223  ALLOCATED TO SYSUT4
IEF237I  JES2 ALLOCATED TO SYSPRINT
IEF237I  JES2 ALLOCATED TO ASMPRINT
IEF237I  JES2 ALLOCATED TO CMPPRINT
IEF237I  JES2 ALLOCATED TO COPPRINT
IEF237I  JES2 ALLOCATED TO LKDPRINT
IEF237I  JES2 ALLOCATED TO E37PRINT
IEF237I  JES2 ALLOCATED TO UPDPRINT
IEF237I  JES2 ALLOCATED TO ZAPPRINT
IEF237I  JES2 ALLOCATED TO SMPOUT
IEF237I  DMY  ALLOCATED TO SMPLOG
IEF237I  251  ALLOCATED TO SMPTLIB
IEF237I  250  ALLOCATED TO SYSLIB
IEF237I  250  ALLOCATED TO
IEF237I  150  ALLOCATED TO
IEF237I  250  ALLOCATED TO
IEF237I  250  ALLOCATED TO
IEF237I  250  ALLOCATED TO
IEF237I  151  ALLOCATED TO
IEF237I  250  ALLOCATED TO SMPACDS
IEF237I  250  ALLOCATED TO SMPACRQ
IEF237I  250  ALLOCATED TO SMPACDS
IEF237I  250  ALLOCATED TO SMPCRQ
IEF237I  250  ALLOCATED TO SMPMTS
IEF237I  250  ALLOCATED TO SMPPTS
IEF237I  250  ALLOCATED TO SMPSTS
IEF237I  250  ALLOCATED TO SMPSCDS
IEF237I  224  ALLOCATED TO SMPWRK1
IEF237I  222  ALLOCATED TO SMPWRK2
IEF237I  221  ALLOCATED TO SMPWRK3
IEF237I  220  ALLOCATED TO SMPWRK4
IEF237I  222  ALLOCATED TO SMPWRK5

```

IEF237I	250	ALLOCATED	TO	ACMDLIB
IEF237I	250	ALLOCATED	TO	AGENLIB
IEF237I	250	ALLOCATED	TO	AHELP
IEF237I	250	ALLOCATED	TO	AIMAGE
IEF237I	250	ALLOCATED	TO	ALPALIB
IEF237I	250	ALLOCATED	TO	AMACLIB
IEF237I	250	ALLOCATED	TO	AMODGEN
IEF237I	250	ALLOCATED	TO	AOS00
IEF237I	250	ALLOCATED	TO	AOS03
IEF237I	250	ALLOCATED	TO	AOS04
IEF237I	250	ALLOCATED	TO	AOS05
IEF237I	250	ALLOCATED	TO	AOS06
IEF237I	250	ALLOCATED	TO	AOS07
IEF237I	250	ALLOCATED	TO	AOS11
IEF237I	250	ALLOCATED	TO	AOS12
IEF237I	250	ALLOCATED	TO	AOS20
IEF237I	250	ALLOCATED	TO	AOS21
IEF237I	250	ALLOCATED	TO	AOS24
IEF237I	250	ALLOCATED	TO	AOS26
IEF237I	250	ALLOCATED	TO	AOS29
IEF237I	250	ALLOCATED	TO	AOS32
IEF237I	250	ALLOCATED	TO	AOSA0
IEF237I	250	ALLOCATED	TO	AOSA1
IEF237I	250	ALLOCATED	TO	AOSB0
IEF237I	250	ALLOCATED	TO	AOSB3
IEF237I	250	ALLOCATED	TO	AOSBN
IEF237I	250	ALLOCATED	TO	AOSC2
IEF237I	250	ALLOCATED	TO	AOSC5
IEF237I	250	ALLOCATED	TO	AOSC6
IEF237I	250	ALLOCATED	TO	AOSCA
IEF237I	250	ALLOCATED	TO	AOSCD
IEF237I	250	ALLOCATED	TO	AOSCE
IEF237I	250	ALLOCATED	TO	AOSD0
IEF237I	250	ALLOCATED	TO	AOSD7
IEF237I	250	ALLOCATED	TO	AOSD8
IEF237I	250	ALLOCATED	TO	AOSG0
IEF237I	250	ALLOCATED	TO	AOSH1
IEF237I	250	ALLOCATED	TO	AOSH3
IEF237I	250	ALLOCATED	TO	AOST3
IEF237I	250	ALLOCATED	TO	AOST4
IEF237I	250	ALLOCATED	TO	AOSU0
IEF237I	250	ALLOCATED	TO	APARMLIB
IEF237I	250	ALLOCATED	TO	APROCLIB
IEF237I	250	ALLOCATED	TO	ASAMPLIB
IEF237I	250	ALLOCATED	TO	ATCAMMAC
IEF237I	250	ALLOCATED	TO	ATSOMAC
IEF237I	250	ALLOCATED	TO	AUADS
IEF237I	250	ALLOCATED	TO	HASPSRC
IEF237I	150	ALLOCATED	TO	CMDLIB
IEF237I	150	ALLOCATED	TO	HELP
IEF237I	150	ALLOCATED	TO	IMAGELIB
IEF237I	150	ALLOCATED	TO	IMAGE
IEF237I	150	ALLOCATED	TO	LPALIB
IEF237I	150	ALLOCATED	TO	LINKLIB
IEF237I	150	ALLOCATED	TO	NUCLEUS
IEF237I	150	ALLOCATED	TO	MACLIB
IEF237I	150	ALLOCATED	TO	PARMLIB
IEF237I	150	ALLOCATED	TO	PROCLIB
IEF237I	150	ALLOCATED	TO	SAMPLIB
IEF237I	150	ALLOCATED	TO	SVCLIB
IEF237I	150	ALLOCATED	TO	TCOMMAC

IEF237I	150	ALLOCATED TO TELCMLIB		
IEF237I	150	ALLOCATED TO UADS		
IEF237I	250	ALLOCATED TO UMODLIB		
IEF237I	250	ALLOCATED TO UMODOBJ		
IEF237I	150	ALLOCATED TO VTAMLIB		
IEF237I	JES2	ALLOCATED TO SMPCNTL		
IEF142I	WM00017	HMASMP APPLY - STEP WAS EXECUTED - COND CODE 0000		
IEF285I		SYS1.LINKLIB	PASSED	*-----0
IEF285I		VOL SER NOS= MVSRES.		
IEF285I		SYS22028.T065926.RA000.WM00017.R0000011	DELETED	*-----953
IEF285I		VOL SER NOS= SORTW2.		
IEF285I		SYS22028.T065926.RA000.WM00017.R0000012	DELETED	*----6,793
IEF285I		VOL SER NOS= SORTW1.		
IEF285I		SYS22028.T065926.RA000.WM00017.R0000013	DELETED	*-----724
IEF285I		VOL SER NOS= SORTW6.		
IEF285I		SYS22028.T065926.RA000.WM00017.R0000014	DELETED	*-----0
IEF285I		VOL SER NOS= SORTW4.		
IEF285I		JES2.JOB00596.S00113	SYSOUT	
IEF285I		JES2.JOB00596.S00114	SYSOUT	
IEF285I		JES2.JOB00596.S00115	SYSOUT	
IEF285I		JES2.JOB00596.S00116	SYSOUT	
IEF285I		JES2.JOB00596.S00117	SYSOUT	
IEF285I		JES2.JOB00596.S00118	SYSOUT	
IEF285I		JES2.JOB00596.S00119	SYSOUT	
IEF285I		JES2.JOB00596.S00120	SYSOUT	
IEF285I		JES2.JOB00596.S00121	SYSOUT	
IEF285I		SYS22028.T065926.RA000.WM00017.R0000015	KEPT	*-----0
IEF285I		VOL SER NOS= WORK00.		
IEF285I		SYS1.SMPMTS	KEPT	*-----670
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPSTS	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.MACLIB	KEPT	*-----238
IEF285I		VOL SER NOS= MVSRES.		
IEF285I		SYS1.AMODGEN	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.AMACLIB	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.HASPSRC	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.APVTMACS	KEPT	*-----1
IEF285I		VOL SER NOS= MVS000.		
IEF285I		SYS1.SMPACDS	KEPT	*-----4
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPACRQ	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPSCDS	KEPT	*---10,585
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPCRQ	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPMTS	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPPTS	KEPT	*----8,771
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPSTS	KEPT	*-----579
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS1.SMPSCDS	KEPT	*-----0
IEF285I		VOL SER NOS= SMP000.		
IEF285I		SYS22028.T065926.RA000.WM00017.R0000016	DELETED	*-----0
IEF285I		VOL SER NOS= SORTW5.		
IEF285I		SYS22028.T065926.RA000.WM00017.R0000017	DELETED	*-----26

IEF285I	VOL SER NOS= SORTW3.		
IEF285I	SYS22028.T065926.RA000.WM00017.R0000018	DELETED	*-----48
IEF285I	VOL SER NOS= SORTW2.		
IEF285I	SYS22028.T065926.RA000.WM00017.R0000019	DELETED	*-----0
IEF285I	VOL SER NOS= SORTW1.		
IEF285I	SYS22028.T065926.RA000.WM00017.R0000020	DELETED	*-----0
IEF285I	VOL SER NOS= SORTW3.		
IEF285I	SYS1.ACMDLIB	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AGENLIB	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AHELP	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AIMAGE	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.ALPALIB	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AMACLIB	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AMODGEN	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS00	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS03	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS04	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS05	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS06	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS07	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS11	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS12	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS20	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS21	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS24	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS26	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS29	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOS32	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSA0	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSA1	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSB0	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSB3	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSBN	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSC2	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		

IEF285I	SYS1.AOSC5	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSC6	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSCA	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSCD	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSCE	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSD0	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSD7	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSD8	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSG0	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSH1	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSH3	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOST3	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOST4	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AOSU0	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.APARMLIB	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.APROCLIB	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.ASAMPLIB	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.ATCAMMAC	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.ATSOMAC	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.AUADS	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.HASPSRC	KEPT	*-----0
IEF285I	VOL SER NOS= SMP000.		
IEF285I	SYS1.CMDLIB	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.HELP	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.IMAGELIB	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.IMAGELIB	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.LPALIB	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.LINKLIB	KEPT	*----7,113
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.NUCLEUS	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.MACLIB	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.PARMLIB	KEPT	*-----0
IEF285I	VOL SER NOS= MVSRES.		
IEF285I	SYS1.PROCLIB	KEPT	*-----0

```

IEF285I VOL SER NOS= MVSRES.
IEF285I SYS1.SAMPLIB KEPT *-----0
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS1.SVCLIB KEPT *-----0
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS1.TCOMMALIB KEPT *-----0
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS1.TELCMLIB KEPT *-----0
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS1.UADS KEPT *-----0
IEF285I VOL SER NOS= MVSRES.
IEF285I SYS1.UMODLIB KEPT *-----0
IEF285I VOL SER NOS= SMP000.
IEF285I SYS1.UMODOBJ KEPT *-----0
IEF285I VOL SER NOS= SMP000.
IEF285I SYS1.VTAMLIB KEPT *-----0
IEF285I VOL SER NOS= MVSRES.
IEF285I JES2.JOB00596.SI0103 SYSIN

```

```

IEF373I STEP /HMASMP / START 22028.0659
IEF374I STEP /HMASMP / STOP 22028.0659 CPU OMIN 06.07SEC SRB OMIN 01.49SEC VIRT 4096K SYS 372K

```

```

*****
*
* STEP NUMBER:          2  USER CORE:          4096K  START TIME:    06:59:26    CPU TIME:      00:00:07.56  ACTIVE TIME:   00:00:08.56 *
* STEP NAME:           HMASMP  SYSTEM CORE:      372K  STOP TIME:     06:59:35    SRB TIME:      00:00:01.49  ALLOC TIME:    06:59:26 *
* PROGRAM NAME:       HMASMP  REGION SIZE:     4096K  ELAPSED TIME:  00:00:08.72    TCB TIME:      00:00:06.07  PROGRAM LOAD:  06:59:26 *
* CONDITION CODE:     00000  PERFORMANCE GROUP: 004
* JES2 CARDS:         0          SERVICE UNITS  PAGES IN/OUT  # SWAPS  PAGES SWAP IN/OUT  VIO PAGES IN/OUT *
*                   196,052      0 / 0          0        0 / 0          0 / 0 *
*
* ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT  ADDR/UNIT I/O COUNT *
* 150/D3350      0  221/D2314      953  220/D2314      6793  225/D2314      724  223/D2314      0  251/D3350      0 *
* 250/D3350      670  250/D3350      0  150/D3350      238  250/D3350      0  250/D3350      0  250/D3350      0 *
* 151/D3350      1  250/D3350      4  250/D3350      0  250/D3350     10585  250/D3350      0  250/D3350      0 *
* 250/D3350     8771  250/D3350      579  250/D3350      0  224/D2314      0  222/D2314      26  221/D2314      48 *
* 220/D2314      0  222/D2314      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0  250/D3350      0 *
* 250/D3350      0  250/D3350      0  150/D3350      0  150/D3350      0  150/D3350      0  150/D3350      0 *
* 150/D3350      0  150/D3350     7113  150/D3350      0  150/D3350      0  150/D3350      0  150/D3350      0 *
* 150/D3350      0  150/D3350      0  150/D3350      0  150/D3350      0  150/D3350      0  250/D3350      0 *
* 250/D3350      0  150/D3350      0
*****

```

```

IEF285I SYS1.LINKLIB KEPT
IEF285I VOL SER NOS= MVSRES.
IEF375I JOB /WM00017 / START 22028.0659
IEF376I JOB /WM00017 / STOP 22028.0659 CPU OMIN 06.13SEC SRB OMIN 01.51SEC

```

```
HMA4240 HMASMP EXEC PARM = 'DATE=U'
REJECT
SELECT(WM00017)
```

```
HMA4081 SYSMOD WM00017 NOT APPLIED OR NOT ACCEPTED
HMA2270 REJECT PROCESSING SUCCESSFULLY COMPLETED FOR SYSMOD WM00017
HMA2050 REJECT PROCESSING COMPLETED - HIGHEST RETURN CODE IS 04
```

```
RESETRC .
HMA2050 RESETRC PROCESSING COMPLETED - HIGHEST RETURN CODE IS 00
```

```
RECEIVE
SELECT(WM00017)
```

```
-----++USERMOD (WM00017) /* $DP COMMAND AND $U COMMAND */ .
```

```
-----++VER (Z038) FMID(EJE1103) PRE(UZ31176 UZ33158 UZ35334
UZ37263 UZ54837 UZ57911 UZ63374 UZ65742 UZ71437
UZ79531)
```

```
----- /* SOURCE: BANK OF NEW SOUTH WALES
VIA AUSSIE GUIDE TAPE
VIA CBT OVERFLOW TAPE VERSION 266 FILE 015
```

```
----- TWO NEW COMMANDS HAVE BEEN ADDED TO JES2 TO ENHANCE OUTPUT
PROCESSING. THE TWO COMMANDS ARE:- $DP & $U. THE FORMAT
OF THE $DP COMMAND IS AS FOLLOWS:-
```

```
----- $DP ---- WILL DISPLAY ALL PRINTED OUTPUT. IT WILL
GIVE BOTH THE NUMBER OF LINES AND THE
OUTPUT CLASS PLUS THE USUAL JES2 SPOOL
UTILIZATION MESSAGE.
```

```
----- $DPX ---- WHERE X IS THE SYSOUT CLASS TO BE DISPLAYED.
EG. $DPA WILL DISPLAY ALL OUTPUT FOR SYSOUT
CLASS=A. IF THERE IS NO SYSOUT=A THEN THE
JES2 SPOOL UTILIZATION MESSAGE IS DISPLAYED.
THE $DPX FORMAT DOES NOT SUPPORT MULTIPLE
SYSOUT CLASSES.
```

```
----- THE FORMAT OF THE $U COMMAND IS AS FOLLOWS:-
```

```
----- $U JOBID,O= FROM CLASS,C= TO CLASS WHERE JOBID CAN BE
JOB/TSU/STC NUMBER OR RANGE OF NUMBERS EG
J10, S23-25, T51 OR JOBNAME IN QUOTES EG
'TSTJOB'. FROM CLASS CAN BE ONE OR MORE
CLASSES EG A, ABV, ABCDEF OR * TO SIGNIFY
ALL CLASSES. TO CLASS IS A SINGLE CLASS
SPECIFICATION EG C.
```

```
----- EXAMPLES OF THE $U COMMAND:-
```

```
----- $US1,C=P,O=L WILL RESET 'L' CLASS OUTPUT FOR STARTED
TASK 1 TO CLASS 'P'.
```

```
----- $UJ10,O=V,C=P WILL RESET 'V' CLASS OUTPUT FOR JOB 10
TO CLASS = 'P'.
```

```
----- $U'TESTJOB',O=2A,C=5 WILL RESET '2' CLASS & 'A' CLASS
OUTPUT FOR TESTJOB TO CLASS = '5'.
```

\$UJ1-999,C=2,O=* WILL RESET OUTPUT FOR ALL JOBS TO
CLASS = '2'.

POINTS TO NOTE:-

THE OPERANDS 'O' & 'C' MAY BE IN ANY ORDER.

OUTPUT CURRENTLY BEING PRINTED CANNOT BE RESET.

RESETTING OUTPUT TO THE 'Z' QUEUE RE-QUEUES OUTPUT TO A

'Z' QUEUE BUT DOES NOT AUTOMATICALLY DELETE.

('Z' CLASS BEING SYSOUT CLASS NOT PRINTED)

THE RESPONSES TO THE \$U COMMAND WILL BE:-

\$HASP000 SYSOUT CLASS/ES CHANGED

OR

\$HASP000 NO OUTPUT FOUND

*/ .

-----++SRCUPD (HASPCOMM) DISTLIB (HASPSRC).

HMA3930 SYSMOD WM00017 SUCCESSFULLY RECEIVED

RECEIVE SUMMARY REPORT

SYSMOD	STATUS	TYPE	-----
WM00017	RECEIVED	USERMOD	

HMA2050 RECEIVE PROCESSING COMPLETED - HIGHEST RETURN CODE IS 00

HMA2050 HMASMP PROCESSING COMPLETED - HIGHEST RETURN CODE IS 04

SYMBOL TYPE ID ADDR LENGTH LDID

ASM 0201 06.59 01/28/22

HASPCOMM	SD	0001	000000	001FB8	
\$JCANR	LD		001C48		0001
\$COMMEND	LD		001FB8		0001
\$HEXIT	ER	0002			
HASPCOMA	SD	0003	001FB8	00674D	
\$QINDEX	ER	0004			
HASPLIST	ER	0005			

```
LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22
2 *****
3 *
4 * MODULE NAME = HASJES20 (HASP COMM CSECT)
5 *
6 * DESCRIPTIVE NAME = JES2 COMMAND PROCESSOR
7 *
8 * COPYRIGHT = NONE
9 *
10 * STATUS = OS/V S2 MVS -- SEE &VERSION (BELOW) FOR JES2 LEVEL
11 *
12 * FUNCTION = ACCEPTS OPERATOR COMMAND FROM VARYING SOURCES AND
13 * REPLIES TO THE SUBMITTER THE APPROPRIATE DATA BASED
14 * UPON THE COMMAND AND ITS OPERANDS. NO I/O IS DONE
15 * FROM THIS MODULE. THE COMMAND ARE TAKEN FROM THE
16 * CONSOLE MESSAGE BUFFERS AND A REPLY IS BUILT IN THE
17 * COMMAND PROCESSOR PCE WORK AREA FROM THE APPROPRIATE
18 * JES2 CONTROL BLOCKS. THIS RESPONSE IS THEN SENT TO THE
19 * SUBMITTER BY JES2 $WTO SERVICES.
20 *
21 * NOTES = SEE BELOW
22 *
23 * DEPENDENCIES = IF MULTIPLE COMMAND ARE USED, THEY MUST BE
24 * SEPERATED BY SEMICOLONS AND THE JES2 COMMAND
25 * INDENTIFIER IS OMITTED FROM SECOND AND SUBSEQUENT
26 * COMMANDS IN THAT INPUT LINE
27 *
28 * RESTRICTIONS = NONE
29 *
30 * REGISTER CONVENTIONS = R0 = = PARAMETER REGISTER
31 * R1 = = PARAMETER REGISTER
32 * R2 = WA = WORK REGISTER
33 * R3 = WB = WORK REGISTER
34 * R4 = WC = WORK REGISTER
35 * R5 = WD = CURRENT OPERAND POINTER
36 * R6 = WE = CONSTANT OF FOUR (4)
37 * R7 = WF = LAST OR NULL OPERAND POINTER
38 * R8 = BASE3 = SUB PROCESSOR ADDRESSABILITY
39 * R9 = = RESERVED (IE. NOT USED)
40 * R10 = = WORK REGISTER
41 * R11 = BASE1 = HCT ADDRESSABILITY
42 * R12 = BASE2 = MAIN PROCESSOR ADDRESSABILITY
43 * R13 = SAVE = PCE ADDRESSABILITY
44 * R14 = LINK = LINKAGE REGISTER
45 * R15 = = RETURN REGISTER
46 *
47 * PATCH LABEL = NONE
48 *
49 * MODULE TYPE = PROCESSOR, TABLE (CSECT TYPE)
50 *
51 * PROCESSOR = OS/V S ASSEMBLER
52 *
53 * MODULE SIZE = SEE $DLENGTH MACRO EXPANSION(S) AT END OF ASSEMBLY
54 *
55 * ATTRIBUTES = READ ONLY, AFTER PROCESSOR INITIALIZATION, AND
56 * HASP REENTRANT
57 *
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				58	* ENTRY POINT = HASPCOMM	* K0029500
				59	*	* K0030000
				60	* PURPOSE = SEE FUNCTION	* K0030500
				61	*	* K0031000
				62	* LINKAGE = VIA \$WAIT AND \$POST OBEYING JES2 CONVENTIONS	* K0031500
				63	*	* K0032000
				64	* ENTY POINT = \$JCANR	* K0032500
				65	*	* K0033000
				66	* PURPOSE = TO CANCEL JOBS, STCS, OR TSUS IN JES2	* K0033500
				67	* 1). REJECT ATTEMPTS TO CANCEL OR STOP STC OR	* K0034000
				68	* TSU TASKS PRIOR TO EXECUTION	* K0034500
				69	*	* K0035000
				70	* 2). PURGE BQES AND JOES FOR STOP JOB AND CANCEL	* K0035500
				71	* WITH PURGE	* K0036000
				72	*	* K0036500
				73	* 3). ISSUE OS/VS CANCEL COMMAND IF REQUIRED FOR A JOB	* K0037000
				74	*	* K0037500
				75	* 4). DELETE ACTIVITY ON JES2 READERS FOR CANCEL REQUESTS	* K0038000
				76	* AND ON JES2 PRINTERS AND PUNCHES FOR CANCEL	* K0038500
				77	* WITH PURGE REQUESTS	* K0039000
				78	*	* K0039500
				79	* LINKAGE = VIA \$JCAN MACRO	* K0040000
				80	*	* K0040500
				81	* INPUT = CONSOLE MESSAGE BUFFER CONTAINING THE COMMAND	* K0041000
				82	*	* K0041500
				83	* OUTPUT = EITHER A DIAGNOSTIC OR A RESPONSE TO THE INPUT COMMAND	* K0042000
				84	*	* K0042500
				85	* EXIT-NORMAL = \$WTO PROCESSOR	* K0043000
				86	*	* K0043500
				87	* EXIT-ERROR = NONE	* K0044000
				88	*	* K0044500
				89	* EXTERNAL REFERENCES = SEE BELOW	* K0045000
				90	*	* K0045500
				91	* ROUTINES = SEE MACROS FOR SERVICES USED	* K0046000
				92	*	* K0046500
				93	* DATA AREAS = SEE \$HASPCB MACRO EXPANSION	* K0047000
				94	* CONTROL BLOCKS = SEE \$HASPCB MACRO EXPANSION	* K0047500
				95	*	* K0048000
				96	* TABLES = 256 BYTE TABLE IS USED TO VALIDATE ALPHANUMERIC	* K0048500
				97	* COMMAND OPERANDS	* K0049000
				98	*	* K0049500
				99	* MACROS = HASPCOMM = \$COMGRUP, \$COMTAB, \$CRET, \$CWTO, \$CFCVB, \$CFCVE,	* K0050000
				100	* \$CFDCTD, \$CFDCTL, \$CFINVC, \$CFINVO, \$CFJDCT,	* K0050500
				101	* \$CFJDCTC, \$CFJMSG, \$CFJSCAN, \$CFSEL, \$CFVQE	* K0051000
				102	*	* K0051500
				103	* MACROS = JES2 = \$HASPCB, \$ENTRY, \$WTO, \$WAIT, \$STIMER, \$GETCMB,	* K0052000
				104	* \$MSG, \$TTIMER, \$FRECMB, \$POST, \$QCKPT, \$JCAN,	* K0052500
				105	* \$QMOD, \$QLOC, \$FREUNIT, \$ALLOC,	* K0053000
				106	* \$GETLOK, \$FRELOK, \$#CKPT, \$#ADD, \$QPUT	* K0053500
				107	*	* K0054000
				108	* MACROS = SYSTEM = TIME, MODESET, PURGE	* K0054500
				109	*	* K0054600
				110	*	* K0054700
				111	*	* K0054800
				112	*	* K0054900
				113	* CHANGE ACTIVITY	* K0055000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				114 *		* K0055100
				115 *	RELEASE 4.0 = OZ02440,OZ03321,OZ03339,OZ04315,OZ04343,OZ04344,	* K0055300
				116 *	OZ04983,OZ06751,OZ07444,OZ07458,OZ08189,OZ09044,	* K0055400
				117 *	OZ09045,OZ09105	* K0055500
				118 *		* K0055600
				119 *	RELEASE 4.1 = OZ09093,OZ10322,OZ10325,OZ10353,OZ10354,OZ10363,	* K0055700
				120 *	OZ11742,OZ11744,OZ11747,OZ11748,OZ11763,OZ11769,	* K0055800
				121 *	OZ11775,OZ11787,OZ12293,OZ12299,OZ12316,OZ13256,	* K0055900
				122 *	OZ14905,OZ15817,OZ15839,OZ16681,OZ16683,OZ18201	* K0056000
				123 *		@G38ESBB K0056200
				124 *	EJE1103 = @G38ESBB 3800 PRINTER ENHANCEMENTS	@G38ESBB K0056400
				125 *		* K0057000
				126 *	*****	K0057500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				128	*		K0058500
				129	*****	\$HASPCB *****	K0059000
				130	*	GENERATE HASP CONTROL BLOCKS	K0059500
				132		MACRO	K0060500
				133		\$HASPCB &DOC=NO,&LIST=NO	K0061000
				134		GBLC &PRINT,&GEN,&DATA	K0061500
				135		PUSH PRINT	K0062000
				136		PRINT &PRINT	K0062500
				137		\$CVT LIST=&LIST GENERATE OS CVT DSECT	K0063000
				138		\$SSOB (SO),LIST=&LIST GENERATE OS SSOB DSECT	K0063500
				139		\$TCB LIST=&LIST GENERATE OS TCB DSECT	K0064000
				140		\$DCB LIST=&LIST GENERATE OS DCB DSECT	K0064500
				141		\$DEB LIST=&LIST GENERATE OS DEB DSECT	K0065000
				142		\$UCB LIST=&LIST GENERATE OS UCB DSECT	K0065500
				143		\$CSCB LIST=&LIST GENERATE OS CSCB DSECT	K0066000
				144		\$UCM LIST=&LIST GENERATE OS UCM DSECT	K0066500
				145		\$TAB DOC=&DOC GENERATE HASP TAB DSECT	R41 K0066600
				146		\$SVT DOC=&DOC GENERATE HASP SSVT DSECT	K0067000
				147		\$SJB DOC=&DOC GENERATE HASP SJB DSECT	K0067500
				148		\$HCT DOC=&DOC GENERATE HASP HCT DSECT	K0068000
				149		\$QSE DOC=&DOC GENERATE QSE DSECT	K0068500
				150		\$PCE DOC=&DOC GENERATE HASP PCE DSECT	K0069000
				151		\$BUFFER DOC=&DOC GENERATE HASP BUFFER DSECT	K0069500
				152		\$CMB DOC=&DOC GENERATE HASP CMB DSECT	K0070000
				153		\$ICE DOC=&DOC GENERATE HASP ICE DSECT	R4 K0071000
				154		\$JQE DOC=&DOC GENERATE HASP JQE DSECT	K0072000
				155		\$JOE DOC=&DOC GENERATE HASP JOE DSECT	K0072500
				156		\$JOT DOC=&DOC GENERATE HASP JOT DSECT	K0073000
				157		\$JQB DOC=&DOC GENERATE HASP JQB DSECT	@OZ27300 K0073300
				158		\$JCT DOC=&DOC GENERATE HASP JCT DSECT	K0073500
				159		\$PDDB DOC=&DOC GENERATE HASP PDDB DSECT	K0074000
				160		\$IOT DOC=&DOC GENERATE HASP IOT DSECT	R41 K0074100
				161		\$CAT DOC=&DOC GENERATE HASP CAT DSECT	K0074500
				162		\$SCAT DOC=&DOC GENERATE HASP SCAT DSECT	K0075000
				163		\$RAT DOC=&DOC GENERATE HASP RAT DSECT	K0075500
				164		\$DCT DOC=&DOC GENERATE HASP DCT DSECT	K0076000
				165		\$TQE DOC=&DOC GENERATE HASP TQE DSECT	K0076500
				166		\$CCE DOC=&DOC GENERATE HASP CCE DSECT	R41 K0076600
				167		\$PIT DOC=&DOC GENERATE HASP PIT DSECT	K0077000
				168		\$PSO DOC=&DOC GENERATE HASP PSO DSECT	K0077500
				169		\$CSA DOC=&DOC GENERATE HASP CSA DSECT	K0078000
				170		\$ACT DOC=&DOC GENERATE HASP \$ACT DSECT	K0078500
				171		\$PQH DOC=&DOC GENERATE HASP PQH DSECT	@G38ESBB K0078600
				172		\$PQE DOC=&DOC GENERATE HASP PQE DSECT	@G38ESBB K0078700
				173		\$MLMWORK DOC=&DOC GENERATE HASP MLMWORK DSECT	R4 K0080500
				174		\$CKPWORK DOC=&DOC GENERATE HASP CKPWORK DSECT	@OZ27300 K0080600
				175		\$RDRWORK DOC=&DOC GENERATE HASP RDRWORK DSECT	K0081000
				176		\$PPPWORK DOC=&DOC GENERATE HASP PPPWORK DSECT	K0081500
				177		\$COMWORK DOC=&DOC GENERATE HASP COMWORK DSECT	K0082000
				178		\$COM DOC=&DOC,LIST=&LIST GENERATE HASP COM DSECT	K0082500
				179		SPACE 1	K0083000
				180		POP PRINT	K0083500
				181		PRINT &GEN,&DATA SET ASSEMBLY PRINT OPTIONS	K0084000
				182		MEND	K0084500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				184	MACRO -- \$COMGRUP -- DEFINE GROUP OF COMMAND SUB-PROCESSORS	K0085500
				185	&NAME \$COMGRUP &A0,&A1,&A2,&A3,&A4,&A5,&A6,&A7,&A8,&A9,&AA,&AB,&AC, &AD,&AE,&AF,&B0,&B1,&B2,&B3,&B4,&B5,&B6,&B7,&B8,&B9, &DELAY=NO	CK0086000 CK0086500 K0087000
				186	LCLC &I	K0087500
				187	GBLC &COMGRUP	R4 K0088000
				188	&NAME DS 0H	K0088500
				189	USING *,BASE3 ADDRESSABILITY	K0089000
				190	&COMGRUP SETC '&NAME'	R4 K0089500
				191	AIF ('&DELAY' EQ 'NO').A	K0090000
				192	AGO .C	K0090500
				193	.A BR R1 GO TO SUB-PROCESSOR SELECTED	K0091000
				194	AGO .XIT	K0091500
				195	.C ANOP	K0092000
				196	&I SETC '&SYSNDX'	K0092500
				197	COF&I DS 0H 'BR R1' TO ENTER SUB-PROCESSOR	K0093000
				198	.XIT MEND	K0093500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				200	MACRO -- \$COMTAB -- DEFINE COMMAND TABLE ENTRY	K0094500
				201	&NAME \$COMTAB &VERB,&GROUP,&REDIR=0,&REJECT=0	K0095000
				202	LCLC &C,&D	K0095500
				203	&NAME DS 0F DEFINE SUB-PROCESSOR	K0096500
				204	DC AL1(&REDIR*16+&REJECT) FLAG BYTES	K0097000
				205	DC AL3(&GROUP) SUB-PROCESSOR ADDRESS	K0097500
				206	DC AL2(C&VERB-&GROUP) OFFSET TO VERB WITHIN GROUP	K0098000
				207	AIF (K'&VERB LT 2).A	K0100500
				208	AIF (K'&VERB EQ 3).B	K0101000
				209	DC CL2'&VERB'	K0102000
				210	MEXIT	K0102500
				211	.A DC CL1'&VERB',X'FF'	K0103000
				212	MEXIT	K0107000
				213	.B ANOP	K0107500
				214	&C SETC '&VERB'(1,1)	K0108000
				215	&D SETC '&VERB'(2,2)	K0108500
				216	DC CL1'&C',X'&D'	K0109500
				217	MEND	K0112000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				327	.H AIF ('&TRUNC' EQ 'NO').F	K0167000
				328	SLR R0,R0 SET NULL LENGTH	K0167500
				329	AGO .D	K0168000
				330	MEND	K0168500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				332	MACRO -- \$CFCVB -- CONVERT TO BINARY	K0169500
				333	&NAME \$CFCVB &TYPE=CALL,&POINTER=(R1),&NUM=2,&INFO=NO,&NOK=	K0170000
				334	GBLC &DOC	K0170500
				335	LCLC &R	K0171000
				336	LCLA &CNT	K0171500
				337	&R SETC '&SYSNDX'	K0172000
				338	AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0172500
				339	AIF ('&TYPE' EQ 'RES').NOJECT	K0173000
				340	EJECT	K0173500
				341	.NOJECT SPACE 2	K0174000
				342	*****	K0174500
				343	*	* K0175000
				344	* COFCVB -- CONVERT TO BINARY	* K0175500
				345	*	* K0176000
				346	* ROUTINE CONVERTS A PAIR OF NUMBERS OF THE FORM	* K0176500
				347	*	* K0177000
				348	* TEXTN1-N2 WHERE	* K0177500
				349	* TEXT = OPTIONAL TEXT IDENTIFIERS JOB, PRT, RM ETC.	* K0178000
				350	* N1 = FIRST OF A SERIES OF NUMBERS LT 10000 IN VALUE	* K0178500
				351	* N2 = OPTIONAL LAST OF A SERIES OF NUMBERS LT 10000.	* K0179000
				352	* IN A SERIES OF VALUES, N1-N2-N3-N4, THE LAST TWO VALUES	* K0179500
				353	* ARE CONSIDERED TO BE START-STOP VALUES.	* K0180000
				354	* THE MEANING OF THE START-STOP VALUES FOR EXAMPLE 1-5 ARE	* K0180500
				355	* THE USER DESIRES AN OPERATION PERFORMED ON JOB OR FACILITY	* K0181000
				356	* TYPE INDICATED, NUMBERS 1, 2, 3, 4, AND 5.	* K0181500
				357	*	* K0182000
				358	* NO \$WAITS ARE ISSUED.	* K0182500
				359	*	* K0183000
				360	* REGISTERS USED	* K0183500
				361	* R0 = ACCUMULATOR - STOP VALUE	* K0184000
				362	* R1 = ADDRESS OF OPERAND POINTER -- START VALUE	* K0184500
				363	* LINK = LINK REGISTER	* K0185000
				364	* R15 = WORK REGISTER	* K0185500
				365	*	* K0186000
				366	* EXITS	* K0186500
				367	* LINK+0 OPERAND DOES NOT CONTAIN NUMERIC OR NUMERIC TOO LARGE	* K0187000
				368	* LINK+4 NORMAL EXIT	* K0187500
				369	*	* K0188000
				370	* NOTES	* K0188500
				371	* R1 VALUE IS EQUAL TO R0 IF USER REQUESTS NUM=2 AND ONLY	* K0189000
				372	* ONE VALUE IS PRESENT. IF NUM=1 IS USED R1 VALUE IS	* K0189500
				373	* UNPREDICTABLE. (NUM=1 MAY BE IGNORED).	* K0190000
				374	*	* K0190500
				375	*****	K0191000
				376	.Z ANOP	K0191500
				377	&NAME NULL	K0192000
				378	AIF ('&TYPE' NE 'CALL').INL	K0192500
				379	\$DECODE &POINTER	K0193000
				380	.CAL BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
				381	AIF ('&NOK' NE '').NOKOK	K0194000
				382	MNOTE 4,'NOK KEYWORD MUST BE SUPPLIED'	K0194500
				383	AGO .XIT	K0195000
				384	.NOKOK ANOP	K0195500
				385	AIF ('&NOK'(1,1) EQ '(').REG	K0196000
				386	B &NOK BRANCH IF OPERAND INVALID	K0196500
				387	AGO .XIT	K0197000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				388	.REG ANOP	K0197500
				389	&CNT SETA K'&NOK-2	K0198000
				390	&R SETC '&NOK'(2,&CNT)	K0198500
				391	B 0(,&R) BRANCH IF INVALID OPERAND	K0199000
				392	MEXIT	K0199500
				393	.INL L R15,0(0,R1) PICK UP FIRST PARAMETER	K0200000
				394	COF&R.K CLI 0(R15),C'0' CHARACTER NUMERIC... R41	K0200500
				395	BNL COF&R.L IF NUMERIC, CONVERT R4	K0201000
				396	LA R15,1(0,R15) NEXT CHARACTER	K0201500
				397	CLM R15,7,5(R1) DID WE GO TOO FAR R4	K0202000
				398	BL COF&R.K LOOP IF NO R41	K0202500
				399	BR LINK RETURN INVALID OPERAND	K0203000
				400	EJECT R41	K0203300
				401	*****	K0203400
				402	* CONVERT PAIR OF START STOP VALUES *	K0203500
				403	*****	K0203600
				404	COF&R.L SLR R0,R0 ZERO ACCUMULATOR, STOP VALUE	K0204000
				405	ST R0,COMFWORK CLEAR WORK AREA FOR CONVERT	K0204500
				406	AIF ('&NUM' NE '2').BA	K0205000
				407	LNR R1,R15 SET NEGATIVE FLAGS	K0205500
				408	.BA ANOP	K0206000
				409	COF&R.C MVN COMFWORK+1(1),0(R15) MOVE NUMERIC TO WORK AREA	K0206500
				410	MH R0,=H'10' MULTIPLY BY TEN FOR TEN'S DIGIT	K0207000
				411	AH R0,COMFWORK ADD LOW DIGIT	K0207500
				412	CH R0,=H'9999' LOOK FOR MAXIMUM JOB NUMBR	K0208000
				413	BCR H,LINK RETURN INVALID OPERAND	K0208500
				414	COF&R.N LA R15,1(0,R15) NEXT CHARACTER	K0209000
				415	CLI 0(R15),C'0' TEST FOR NUMERIC (FA-FF INCLUDED)	K0209500
				416	BNL COF&R.C IF NUMERIC, CONVERT THE CHARACTER R4	K0210000
				417	AIF ('&NUM' NE '2').G	K0210500
				418	CLI 0(R15),C'-' LOOK FOR SEPARATOR	K0211000
				419	BE COF&R.O BR IF YES TO CONVERT NEXT VALUE R41	K0211500
				420	CLR R1,R0 TEST FOR BOTH VALUES	K0212000
				421	BNH 4(0,LINK) RETURN WITH CONVERTED VALUES	K0212500
				422	LR R1,R0 SET TO SAME	K0213000
				423	B 4(0,LINK) RETURN WITH CONVERTED VALUES	K0213500
				424	COF&R.O CLI 1(R15),C'0' NEXT CHARACTER NUMERIC... R41	K0214000
				425	BLR LINK RETURN INVALID OPERAND IF NO R41	K0214100
				426	LR R1,R0 SET START OF STRING R41	K0214200
				427	SLR R0,R0 PREPARE FOR NEXT	K0214500
				428	B COF&R.N CONVERT NEXT VALUE OF SET R4	K0215000
				429	AGO .I	K0215500
				430	.G ANOP	K0216000
				431	B 4(0,LINK) RETURN	K0216500
				432	.I ANOP	K0217000
				433	.XIT MEND	K0217500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
435					MACRO -- \$CFCVE -- CONVERT TO EBCDIC	K0218500
436	&NAME				\$CFCVE &VALUE=(R0),&TYPE=CALL,&INFO=NO	K0219000
437					GBLC &DOC	K0219500
438					LCLC &R	K0220000
439	&R				SETC '&SYSNDX'	K0220500
440					AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0221000
441					AIF ('&TYPE' EQ 'RES').NOJECT	K0221500
442					EJECT	K0222000
443	.NOJECT				SPACE 2	K0222500
444					*****	K0223000
445	*				*	* K0223500
446	*				COFCVE -- CONVERT TO EBCDIC	* K0224000
447	*				*	* K0224500
448	*				ROUTINE CONVERTS A HALF WORD BINARY NUMBER LOCATED	* K0225000
449	*				AT ADDRESS 'VALUE'. ANSWER WILL BE IN FIRST FIVE	* K0225500
450	*				CHARACTERS OF COMDWORK.	* K0226000
451	*				NO \$WAITS ARE ISSUED.	* K0226500
452	*				*	* K0227000
453	*				REGISTERS USED	* K0227500
454	*				R0 = VALUE TO BE CONVERTED	* K0228000
455	*				LINK = RETURN LINKAGE	* K0228500
456	*				*	* K0229000
457	*				NOTES	* K0229500
458	*				COMDWORK - COMDWORK AREAS ARE USED FOR SCRATCH	* K0230000
459	*				*	* K0230500
460					*****	K0231000
461	.Z				ANOP	K0231500
462	&NAME				\$DECODE &VALUE,OPA=LH,RA=R0	K0232000
463					AIF ('&TYPE' NE 'CALL').INL	K0232500
464	.CAL				BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
465					MEXIT	K0233500
466	.INL				ANOP	K0234000
467					*****	K0234400
468	*				CONVERT TO EBCDIC AND LEAVE ANSWER IN COMDWORK (5 DIGITS)	* K0234500
469					*****	K0234600
470					CVD R0,COMDWORK CONVERT TO DECIMAL	K0235000
471					MVC COMDWORK-1(6),=X'402020202120' MOVE MASK FOR RESULT	K0235500
472					ED COMDWORK-1(6),COMDWORK+5 CONVERT TO EBCDIC	K0236000
473					BR LINK RETURN	K0236500
474	.XIT				MEND	K0237000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
476					MACRO -- \$CFDCTD -- DISPLAY DEVICE CONTROL TABLE	K0238000
477	&NAME				\$CFDCTD &DCT=(R1),&TYPE=CALL,&EXT=NO,&ENTRY=COFDCTD,&INFO=NO	K0238500
478					GBLC &DOC	K0239000
479					GBLC &COMGRUP	R4 K0239500
480					LCLC &R	K0240000
481	&R				SETC '&SYSNDX'	K0240500
482					AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0241000
483					AIF ('&TYPE' EQ 'RES').NOJECT	K0241500
484					EJECT	K0242000
485	.NOJECT				SPACE 2	K0242500
486					*****	K0243000
487	*				*	* K0243500
488	*				COFDCTD -- DEVICE CONTROL TABLE DISPLAY	* K0244000
489	*				*	* K0244500
490	*				ROUTINE CREATES A STATUS MESSAGE IN AREA 'COMMAND' AND	* K0245000
491	*				INITIATES OPERATOR RESPONSE.	* K0245500
492	*				\$WAIT MAY BE ISSUED.	* K0246000
493	*				*	* K0246500
494	*				REGISTERS USED	* K0247000
495	*				R0 = LENGTH OF MESSAGE	* K0247500
496	*				R1 = ADDRESS OF DCT, WORK REGISTER, PARAMETER TO \$WTO	* K0248000
497	*				HIGH-ORDER BYTE OF R1 INDICATES TYPE OF DISPLAY	* K0248500
498	*				X'FF' -RAT ADDR DISPLAY RAT INFO	* K0248600
499	*				X'0F' DCT ADDR DISPLAY EXTENDED DCT INFO	* K0248700
500	*				X'00' DCT ADDR DISPLAY SHORT DCT INFO	* K0248800
501	*				WA = LINK REGISTER	* K0249000
502	*				LINK = LINKAGE TO \$WTO	* K0249500
503	*				R15 = WAIT RETURN	* K0250000
504	*				*	* K0250500
505	*				WORK AREAS USED	* K0251000
506	*				COMWORK USED TO SAVE PTR TO DCT (R1)	* K0251500
507	*				COMFWORK USED TO SAVE RETURN ADDRESS (WA)	* K0252000
508	*				COMDWORK USED TO SAVE REGS (R1 AND WA) OVER \$CWTO	* K0252500
509	*				COMJNAME USED AS OVERFLOW MESSAGE AREA	* K0253000
510	*				*	* K0253500
511					*****	K0254000
512	.Z				ANOP	K0254500
513	&NAME				\$DECODE &DCT	K0255000
514					AIF ('&TYPE' NE 'CALL').INL	K0255500
515					AIF ('&EXT' EQ 'SET').CAL	R4 K0256000
516					AIF ('&EXT' NE 'NO').EXT	K0256500
517					LA R1,0(,R1) INDICATE NO EXTENDED DISPLAY	K0257000
518					AGO .CAL	K0257500
519	.EXT				ICM R1,8,=X'0F' INDICATE EXTENDED DCT DISPLAY	R41 K0258000
520	.CAL				ANOP	R4 K0258500
521					L BASE3,=A(COFDCTD) GET ADDRESS OF DCT DISPLAY RTN	R4 K0259000
522					BALR WA,BASE3 CALL DISPLAY ROUTINE	R4 K0259500
523					DC Y(*-&COMGRUP) ADDRESSABILITY ADJUSTMENT	R4 K0260000
524					MEXIT	K0260500
525	.INL				ANOP	R4 K0261000
526					USING *,BASE3 ESTABLISH ROUTINE ADDRESSABILITY	R4 K0261500
527					ST R1,COMWORK SAVE ADDR OF DCT	R4 K0262000
528					ST WA,COMFWORK SAVE CONTENTS OF WA -- USE ASE WK	R4 K0262500
529					MVI COMMAND,C' ' CLEAR RESPONSE AREA	K0263000
530					MVC COMMAND+1(L'COMMAND+L'COMJNAME-1),COMMAND	R4 K0263500
531					LTR R1,R1 TEST PASSED ADDRESS	R41 K0263600

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				532	BP COFP&R	POSITIVE MEANS A DCT ADDRESS	R41 K0263700
				533	LPR R1,R1	ELSE = -RAT, SO MAKE POSITIVE	R41 K0263800
				534	LA WA,COMMAND+23	BUMP PAST BASIC MESSAGE	R41 K0263900
				535	MVC COMMAND+10(12),=C'*** INACTIVE'	INDICATE INACTIVE	R41 K0264000
				536	L R1,RATLDCT-RATDSECT(,R1)	GET LINE DCT ADDRESS	R41 K0264100
				537	LTR R1,R1	IS REMOTE CONNECTED	R41 K0264200
				538	BZ COF&R.D	NO, LEAVE INACTIVE	R41 K0264300
				539	TM DCTSTAT-DCTDSECT(R1),DCTINUSE	IS RMT ACTIVE	R41 K0264400
				540	BZ COF&R.D	NO, LEAVE INACTIVE	R41 K0264500
				541	MVC COMMAND+14(8),=C'ACTIVE '	ELSE SHOW ACTIVE	R41 K0264600
				542	B COF&R.W	GO CONTINUE PROCESSING	R41 K0264700
				543	SPACE 1		R41 K0264800
	COFP&R			544	MVC COMMAND(8),DCTDEVN-DCTDSECT(R1)	SET DEVICE NAME	R41 K0264900
				545	MVC COMMAND+10(12),=C'*** DRAINING'	SET DEVICE DRAINING	K0265000
				546	TM DCTSTAT-DCTDSECT(R1),DCTDRAIN	TEST FOR DRAIN BIT	K0265100
				547	BZ COF&R.A	BRANCH IF NOT DRAINED OR DRAINING	K0265500
				548	TM DCTSTAT-DCTDSECT(R1),DCTINUSE	TEST FOR DRAINING	K0266000
				549	BO COF&R.B	LOCATE UCB 'DRAINING'	K0266500
				550	MVC COMMAND+19(3),=CL3'ED'	SET 'DRAINED'	K0267000
				551	B COF&R.B	LOCATE UCB 'DRAINED '	K0267500
	COF&R.A			552	MVC COMMAND+14(8),=CL8'ACTIVE'	SET UNIT ACTIVE	K0268000
				553	TM DCTSTAT-DCTDSECT(R1),DCTINUSE	TEST FOR ACTIVE	K0268500
				554	BZ COF&R.5	IF NOT ACTIVE CHK FURTHER	K0269000
				555	TM DCTFLAGS-DCTDSECT(R1),DCTSTOP	TEST FOR HALTED	K0269500
				556	BZ COF&R.B	NOOGO FIND UCB POSSIBLY	K0270000
				557	MVC COMMAND+14(8),=CL8'HALTED'	DEVICE IS HALTED	K0270500
				558	B COF&R.B	GO LOOK FOR UCB	K0271000
	COF&R.5			559	TM DCTDEVTP-DCTDSECT(R1),DCTPRPU	TEST FOR PRT/PUN	K0272000
				560	BZ COF&R.6	NO--CAN'T BE PAUSING	K0272500
				561	TM DCTSTAT-DCTDSECT(R1),DCTPAUSE	TEST FOR PAUSED	K0273000
				562	BZ COF&R.6	NO--JUST INACTIVE	K0275000
				563	MVC COMMAND+14(8),=CL8'PAUSED'	SET PRT/PUN PAUSING	K0275500
				564	B COF&R.B	GO LOOK FOR UCB	K0276000
	COF&R.6			565	MVC COMMAND+14(8),=CL8'INACTIVE'	SET DEVICE AS INACTIVE	K0276500
				566	CLI DCTDEVTP-DCTDSECT(R1),DCTINR	TEST INTRDR @OZ68422	K0276550
				567	BNE COF&R.B	BRANCH IF NO @OZ68422	K0276600
				568	CLC RIDJBID-DCTDSECT(4,R1),=F'0'	TEST FOR JOB @OZ68422	K0276650
				569	BE COF&R.B	BR IF NOT ALLOCATED @OZ68422	K0276700
				570	MVC COMMAND+14(8),=CL8'ACTIVE '	ELSE SET ACTIVE @OZ68422	K0276750
				571	EJECT		R41 K0276800
				572	*****		K0276900
				573	* DCT STATUS SET IN MESSAGE - LOCATE AND SET DEVICE ADDRESS		* K0277000
				574	*****		K0277100
	COF&R.B			575	LA WA,COMMAND+23	BUMP PAST BASIC MESSAGE	R4 K0277500
				576	CLI DCTDEVTP-DCTDSECT(R1),DCTINR	TEST FOR INTERNAL RDR	R4 K0278000
				577	BE COF&R.D	YES SKIP UCB LOCATE	K0278500
				578	CLI DCTDEVTP-DCTDSECT(R1),DCTLOG	TEST OF LOGON	R4 K0279500
				579	BE COFI&R	YES, BR - USE SNA IN UNIT FIELD	R4 K0280000
				580	TM DCTDEVTP-DCTDSECT(R1),DCTRJE	TEST FOR RJE	K0281500
				581	BZ COF&R.C	NO--SKIP NEXT TEST	K0283500
				582	CLI DCTDEVTP-DCTDSECT(R1),DCTLNE	SEPERATE LINES	K0284000
				583	BE COF&R.S	FROM REMOTE DEVICES	R4 K0284500
				584	TM MDCTSTAT-DCTDSECT(R1),DCTSINON	IS REMOTE SIGNED ON	R4 K0285000
				585	BZ COF&R.D	IF NOT, MESSAGE IS COMPLETE	K0285500
				586	L R1,DCTDCB-DCTDSECT(0,R1)	PICK UP LINE DCT	K0286000
				587	B COF&R.W	GO FIND THE LINE UNIT ADDRESS	R4 K0286500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				588	COF&R.S L R15,MDCTRAT-DCTDSECT(,R1) GET RAT ENTRY ADDRESS	R4	K0287000
				589	LTR R15,R15 TEST FOR ACTIVE USER	R4	K0287500
				590	BZ COF&R.W NO, BR- GO INSERT THE DEVICE ADDR	R4	K0288000
				591	MVI 0(WA),C'(' INSERT OPEN PAREN	R4	K0288500
				592	COF&R.3 MVC 1(L'RATNAME,WA),RATNAME-RATDSECT(R15) MOVE IN RMT ID	R4	K0292500
				593	LA WA,L'RATNAME(,WA) POINT TO LAST BYTE OF REMOTE ID	R4	K0293000
				594	COF&R.0 CLI 0(WA),C' ' IS THIS A BLANK CHARACTER	R4	K0293500
				595	BNE *+8 SKIP NEXT INSTR. IF NON-BLANK	R4	K0294000
				596	BCT WA,COF&R.0 BACK UP ONE BYTE AND LOOP TO TEST	R4	K0294500
				597	MVI 1(WA),C')' MOVE CLOSING PAREN AFTER CHAR	R4	K0295000
				598	LA WA,3(,WA) STEP PAST CHAR, PAREN, AND BLANK	R4	K0295500
				599	COF&R.W DS 0H	R4	K0296000
				600	TM MDCTTYPE-DCTDSECT(R1),DCTPSNA TEST FOR SNA LINES	R4	K0297000
				601	BNO COF&R.C NO, GO FIND UCB ADDRESS	R4	K0297500
				602	COFI&R MVC COMMAND+10(3),=CL3'SNA' INSERT SNA IN UNIT ADDR FIELD	R4	K0298000
				603	B COF&R.D SKIP UCB LOCATE	R4	K0298500
				604	COF&R.C L R1,DCTDCB-DCTDSECT(0,R1) PICK UP DCB		K0299500
				605	L R1,DCBDEBAD-DCBDSECT(0,R1) PICK UP DEB		K0300000
				606	OC DEBTCBAD+1-DEBDSECT(3,R1),DEBTCBAD+1-DEBDSECT(R1)		K0300500
				607	BZ COF&R.D IF DEB NOT INITIALIZED, MESSAGE SET		K0301000
				608	ICM R1,7,DEBSUCBB-DEBDSECT(R1) GET UCB, IS IT SET...	R4	K0301500
				609	BZ COF&R.D IF NOT, MESSAGE COMPLETE		K0302000
				610	MVC COMMAND+10(3),UCBNAME-UCBDSECT(R1) INSERT UNIT ADDRESS		K0302500
				611	EJECT	R41	K0302800
				612	*****		K0302900
				613	* TEST FOR EXTENDED DISPLAY OF DCT	*	K0303000
				614	*****		K0303100
				615	SPACE 1		K0303500
				616	COF&R.D DS 0H CHECK FOR EXTENDED DISPLAY		K0304000
				617	TM COMEWORK,X'FF' WAS INPUT ADDR A -RAT	R41	K0304100
				618	BO COFT&R YES GO DISPLAY RAT INFO	R41	K0304200
				619	L R1,COMEWORK RESTORE DCT POINTER		K0304500
				620	CLI DCTDEVTP-DCTDSECT(R1),DCTRCON TEST FOR REMOTE CONS.	R41	K0304600
				621	BE COF&R.X WRITE MESSAGE AND EXIT	R41	K0304700
				622	TM COMEWORK,X'FF' TEST FOR EXTENDED DISPLAY		K0305000
				623	BZ COF&R.X NO-- WRITE MESSAGE AND EXIT	R4	K0305500
				624	*****		K0306000
				625	* EXTENDED DISPLAY OF DCT IS DESIRED	*	K0306500
				626	*****		K0307000
				627	CLI DCTDEVTP-DCTDSECT(R1),DCTLNE CHECK FOR RJE LNE		K0307500
				628	BE COF&R.F YES--GO DISPLAY A LINE		K0308000
				629	CLI DCTDEVTP-DCTDSECT(R1),DCTLOG TEST FOR LOGON DCT	R4	K0309000
				630	BE COF&R.Z YES, BR - DISPLAY LOGON DCT	R4	K0309500
				631	*****		K0310500
				632	* FORMAT JOB NUMBER AND NAME IF DEVICE IS ACTIVE	*	K0311000
				633	*****		K0311100
				634	TM DCTDEVTP-DCTDSECT(R1),DCTPRPU TEST DEVICE....	@OZ46673	K0311110
				635	BZ COFN&R BRANCH IF REMOTE	@OZ46673	K0311120
				636	TM DCTPPSW2-DCTDSECT(R1),DCTNIPRT 3800 PRINTER	@G38ESBB	K0311200
				637	BZ COFN&R BR IF NOT	@G38ESBB	K0311300
				638	L R15,DCTPCE-DCTDSECT(,R1) GET PCE ADDRESS	@G38ESBB	K0311400
				639	L R15,PQHADR-PCEDSECT(,R15) GET 3800 PQH ADDRESS	@G38ESBB	K0311500
				640	L R15,PQHJQE-PQHDSECT(,R15) GET JQE AT XFER STAT	@G38ESBB	K0311600
				641	LTR R15,R15 TEST FOR JOB AT XFER STAT	@G38ESBB	K0311700
				642	BNZ COFO&R BR IF YES	@G38ESBB	K0311800
				643	COFN&R TM DCTSTAT-DCTDSECT(R1),DCTINUSE TEST FOR ACTIVITY	@G38ESBB	K0311900

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				644	BZ COF&R.G NO--FORGET JOB PORTION	K0312000
				645	SPACE 1	K0312500
				646	L R15,DCTPCE-DCTDSECT(,R1) GET POINTER TO PCE	K0313000
				647	L R15,PCEJQE-PCEDSECT(,R15) GET THE JQE ADDRESS @OZ32566	K0314000
	*			648	THIS LINE DELETED BY APAR NUMBER @OZ32566	K0314500
	*			649	THIS LINE DELETED BY APAR NUMBER @OZ32566	K0315000
	*			650	THIS LINE DELETED BY APAR NUMBER @OZ32566	K0315500
	*			651	THIS LINE DELETED BY APAR NUMBER @OZ32566	K0316000
				652	LA R15,0(,R15) PURIFY R4	K0318000
				653	LTR R15,R15 TEST FOR A JOB	K0318500
				654	BZ COF&R.G NONE -- FORGET IT	K0319000
	COFO&R			655	MVC 0(4,WA),=C'(JOB' SET JOB PREFIX @G38ESBB	K0319500
				656	LH R0,QUEJOBNO(,R15) LOAD BINARY JOB NUMBER	K0320000
				657	CH R0,=H'10000' CHECK FOR JOB	K0320500
				658	BL COF&R.7 YES -- CONVERT NBR TO EBCDIC	K0321000
				659	MVC 1(3,WA),=C'TSU' ASSUME TIME SHARING USER	K0321500
				660	SH R0,=H'20000' CHECK ASSUMPTION	K0322000
				661	BNM COF&R.7 YES -- GO CONVERT NBR TO EBCDIC	K0322500
				662	AH R0,=H'10000' NO -- MUST BE SYSTEM TASK	K0323000
				663	MVC 1(3,WA),=C'STC' ADJUST NBR AND MSG FOR SAME	K0323500
	COF&R.7			664	DS 0H CONVERT NUMBER TO EBCDIC	K0324000
				665	CVD R0,COMDWORK CONVERT TO DECIMAL	K0324500
				666	MVC 4(6,WA),=X'402020202120' SET EDIT PATTERN	K0325000
				667	ED 4(6,WA),COMDWORK+5 EDIT CONVERTED JOB NUMBER	K0325500
				668	MVI 10(WA),C' ' SET BLANK AFTER NUMBER	K0326000
				669	MVC 11(L'JQEJNAME,WA),QUEJNAME(R15) SET J NAME IN MSG	K0326500
				670	LA R15,L'JQEJNAME SET MAX LENGTH OF JOB NAME	K0327000
	COF&R.H			671	CLI 11(WA),C' ' CHECK FOR END OF JOB NAME	K0327500
				672	BE *+12 YES -- TRUNCATE STRING	K0328000
				673	LA WA,1(,WA) NO--POINT TO NEXT CHARACTER	K0328500
				674	BCT R15,COF&R.H AND LOOP THROUGH NAME	K0329000
				675	MVI 11(WA),C')' END JOB PORTION	K0329500
				676	LA WA,13(,WA) POINT TO NEXT BYTE OF MSG	K0330000
				677	EJECT R41	K0330400
				678	*****	K0330500
	*			679	TEST FOR PRT/PUN--YES--DISPLAY FORMS AND PAUSE *	K0331000
				680	*****	K0331500
	COF&R.G			681	NULL	K0332000
				682	TM DCTDEVTP-DCTDSECT(R1),DCTPRPU TEST FOR PRT/PUN	K0335500
				683	BZ COF&R.I NO--GO TO READERS	K0336000
				684	MVC 0(2,WA),=C'F=' SET FORMS PREFIX	K0336500
				685	MVC 2(L'DCTFORMS,WA),DCTFORMS-DCTDSECT(R1) SET FORMS SP	K0337000
				686	MVI 2+L'DCTFORMS(WA),C', ' SET IN SEPERATOR	K0337500
				687	TM DCTPPSW-DCTDSECT(R1),DCTPPSWF CHECK FOR STD FORMS	K0338000
				688	BZ COF&R.J NO -- HASP CONTROLLED	K0338500
				689	MVC 2+L'DCTFORMS+1(4,WA),=C'OPER' SET OPERATOR CNTRL	K0339000
				690	B *+14 BR ARND NEXT	K0339500
	COF&R.J			691	DS 0H	K0340000
				692	MVC 2+L'DCTFORMS+1(5,WA),=C'AUTOM' SET HASP CNTRLED	K0340500
				693	LA WA,1(,WA) UP ONE FOR THE 'M'	K0341000
				694	MVC 2+L'DCTFORMS+1+5(3,WA),=C'P=N' SET PAUSE AS NO	K0341500
				695	TM DCTPPFL-DCTDSECT(R1),DCTPAUSE CHECK FOR NO PAUSE	K0342000
				696	BZ *+8 NO PAUSE LEAVE AS IS	K0342500
				697	MVI 2+L'DCTFORMS+1+5+2(WA),C'Y' PAUSING -- SET 'Y'	K0343000
				698	LA WA,2+L'DCTFORMS+1+5+4(,WA) POINT TO NEXT BYTE	K0343500
				699	*****	K0344000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
700	*				ROUTING OF PRINT/PUNCH DEVICE	* K0344500
701					*****	K0345000
702	LA	R15			DCTNO-DCTDSECT(,R1) POINT TO ROUTE CODE	R4 K0345500
703	LA	R0	1		(,WA) POINT TO TEXT AREA	R4 K0346000
704	BAL	R14			COFRTC CONVERT TO EBCDIC	R4 K0346500
705	MVC	0	2		(,WA),=C'R=' SET KEYWORD	R4 K0347000
706	LA	WA	11		(,WA) POINT TO NEXT SLOT	R4 K0347500
707	TM				DCTDEVTP-DCTDSECT(R1),DCTPUN TEST FOR PUNCHES	K0348000
708	BO				COF&R.K IF SO SKIP FCB UCS SPC MSG	K0348500
709					EJECT	R41 K0348900
710					*****	K0349000
711	*				PRINTERS ONLY -- FCB, UCS, AND SPACING ATTRIBUTES	* K0349500
712					*****	K0350000
713	MVC	0	2		(,WA),=C'C=' SET FCB PREFIX	K0350500
714	MVC	2			(L'DCTFCB,WA),DCTFCB-DCTDSECT(R1) SET FCB	K0351000
715	LA	R15	2		+L'DCTFCB LENGTH OF FCB ID	R4 K0351500
716	CLI	2			(WA),C'*' TEST FOR NULL SETTING	R4 K0352000
717	BNE				*+12 BR IF NO	R4 K0352500
718	LA	R15	2		+1 ELSE, PRINT A	R4 K0353000
719	MVI	2			+1(WA),C' ' SINGLE '*'	R4 K0353500
720	LA	WA	0		(WA,R15) POINT TO NEXT FREE BYTE	R4 K0354000
721	TM				DCTPPSW-DCTDSECT(R1),DCTPPSWB TEST FOR STD FCB	K0354500
722	BO				*+14 NO--DON'T FLAG AS STD FCB	K0355000
723	MVC	0	4		(,WA),=C',STD' SET AS STANDARD	R4 K0355500
724	LA	WA	4		(,WA) POINT TO NEXT BYTE	K0356000
725	LA	WA	1		(,WA) POINT TO NEXT MESSAGE AREA	R4 K0356500
726	MVC	0	2		(,WA),=C'T=' SET TRAIN PREFIX	K0357000
727	MVC	2			(L'DCTUCS,WA),DCTUCS-DCTDSECT(R1) SET TRAIN	K0357500
728	TM				DCTPPSW-DCTDSECT(R1),DCTPPSWU TEST FOR STD UCS	K0358000
729	BO				*+14 NO--DON'T ADD TO MSG	K0358500
730	MVC	2			+L'DCTUCS(4,WA),=C',STD' SET STD UCS ON PRT	K0359000
731	LA	WA	4		(,WA) POINT TO NEXT BYTE	K0359500
732	LA	WA	2		+L'DCTUCS+1(,WA) POINT TO NEXT BYTE	K0360000
733					SPACE 1	K0360500
734					*****	K0360900
735	*				SET SPACING ATTRIBUTES IF PRESENT	* K0361000
736					*****	K0361100
737	TM				DCTFLAGS-DCTDSECT(R1),DCTSPACE CHECK FOR SPCING	K0361500
738	BZ				COF&R.K NONE -- SKIP MESSAGE	K0362000
739	MVC	0	2		(,WA),=C'K=' SET SPACING PREFIX	K0362500
740	LA	R15			X'F0' SET ZERO SPACING (F0)	K0363000
741	TM				DCTFLAGS-DCTDSECT(R1),2 CHECK FOR DOUBLE SPACING	K0363500
742	BZ				*+8 NO--DON'T INDICATE AS SUCH	K0364000
743	LA	R15	2		(,R15) YES--MAKE 'F2' TWO	K0364500
744	TM				DCTFLAGS-DCTDSECT(R1),1 TEST FOR SINGLE SPACING	K0365000
745	BZ				*+8 NO--DON'T INDICATE AS SUCH	K0365500
746	LA	R15	1		(,R15) YES--ADD ONE(EITHER F1 OR F3)	K0366000
747	STC	R15	2		(,WA) STORE SPACING CHARACTER	K0366500
748	LA	WA	4		(,WA) POINT TO NEXT MSG BYTE	K0367000
749					SPACE 2	K0367500
750					*****	K0368000
751	*				REJOIN PUNCH AND PRINTERS--SERPERATORS AND CLASSES	* K0368500
752					*****	K0369000
753	COF&R.K				NULL	K0369500
754	MVC	0	3		(,WA),=C'S=Y' ASSUME SEPERATOES USED	K0370000
755	TM				DCTPPSW-DCTDSECT(R1),DCTPPSWB TEST FOR SAME	K0370500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				756	BZ *+8	SEPERATORS BRANCH K0371000
				757	MVI 2(WA),C'N'	NO SEPERATORS--INDICATE SO K0371500
				758	LA WA,4(,WA)	FIND NEXT MSG AREA K0372000
				759	EJECT	@OZ40627 K0372020
				760	*****	K0372040
				761	* DISPLAY RECORD LIMITS	* K0372060
				762	*****	K0372080
				763	L R0,DCTLIMLO-DCTDSECT(R1)	GET LOWER LIMIT @OZ40627 K0372100
				764	MVC 0(4,WA),=C'LIM='	SET LIMITS PREFIX @OZ40627 K0372120
				765	LA WA,4(,WA)	POINT PAST PREFIX @OZ40627 K0372140
				766	BAL LINK,COF3&R	EDIT LOWER LIMIT @OZ40627 K0372160
				767	L R1,COMWORK	RESTORE DCT POINTER @OZ40627 K0372170
				768	MVI 0(WA),C'-'	SET SEPARATOR @OZ40627 K0372180
				769	L R0,DCTLIMHI-DCTDSECT(R1)	GET UPPER LIMIT @OZ40627 K0372200
				770	CL R0,=F'-1'	ANY UPPER LIMIT ... @OZ40627 K0372220
				771	BNE COF2&R	BR IF YES @OZ40627 K0372240
				772	MVI 1(WA),C'*'	ELSE SHOW NO UPPER LIMIT @OZ40627 K0372260
				773	LA WA,3(,WA)	POINT PAST ENTIRE TEXT @OZ40627 K0372280
				774	B COF5&R	BR TO CONTINUE @OZ40627 K0372300
				775	SPACE 1	@OZ40627 K0372320
	COF2&R			776	LA WA,1(,WA)	POINT PAST '-' @OZ40627 K0372340
				777	BAL LINK,COF3&R	EDIT UPPER LIMIT @OZ40627 K0372360
				778	L R1,COMWORK	RESTORE DCT POINTER @OZ40627 K0372370
				779	LA WA,1(,WA)	POINT PAST ENTIRE TEXT @OZ40627 K0372380
				780	B COF5&R	BR TO CONTINUE @OZ40627 K0372400
				781	SPACE 2	@OZ40627 K0372420
	COF3&R			782	CVD R0,\$DOUBLE	CONVERT VALUE TO DECIMAL @OZ40627 K0372440
				783	MVC \$REGSAVE(L'COF&R.E),COF&R.E	SET EDIT PATTERN@OZ40627 K0372460
				784	LA R1,\$REGSAVE+L'COF&R.E-1	IN CASE NO SIGNIFICANCE K0372480
				785	EDMK \$REGSAVE(L'COF&R.E),\$DOUBLE+2	EDIT VALUE @OZ40627 K0372500
				786	LA R15,\$REGSAVE+L'COF&R.E-1	COMPUTE LENGTH OF @OZ40627 K0372520
				787	SLR R15,R1	SIGNIFICANT VALUE @OZ40627 K0372540
				788	EX R15,COF4&R	MOVE VALUE TO MESSAGE @OZ40627 K0372560
				789	LA WA,1(R15,WA)	POINT PAST VALUE @OZ40627 K0372580
				790	BR LINK	RETURN TO CALLER @OZ40627 K0372600
	COF4&R			791	MVC 0(*-*,WA),0(R1)	*** EXECUTE ONLY *** @OZ40627 K0372620
				792	EJECT	@OZ40627 K0372640
				793	*****	K0373000
				794	* SET OUTPUT CLASSES FOR PRINTER AND PUNCH	* K0373500
				795	*****	K0374000
	COF5&R			796	MVC 0(2,WA),=C'Q='	SET CLASS STRING IDENTIFIER@OZ40627 K0374500
				797	SLR R15,R15	SET MAX SYSOUT R4 K0375000
				798	IC R15,\$NUMCLAS	CLASSES IN STRING R4 K0375500
				799	BCTR R15,0	LESS ONE FOR MACHINE K0376000
				800	EX R15,COF&R.1	MOVE STRING TO MSG AREA K0376500
				801	LA R14,1	SET INCREMENT K0377000
	COF&R.L			802	CLI 2(WA),C' '	CHECK FOR END OF CLASSES K0377500
				803	BE COF&R.M	YES EXIT SCAN RTN K0378000
				804	ALR WA,R14	UP BY ONE TILL END OF STRING K0378500
				805	B COF&R.L	AND LOOP TILL END OF STRING K0379000
	COF&R.M			806	DS 0H	END OF STRING K0379500
				807	LA WA,3(,WA)	POINT TO NEXT MSG BYTE K0380000
				808	*****	K0380100
				809	* DISPLAY COMPACTION NUMBER	* K0380200
				810	*****	K0380300
	COFH&R			811	TM MDCTFEAT-DCTDSECT(R1),DCTPCPCT	TEST FOR COMPACTION R41 K0380400

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				812	BZ COFJ&R	NO,SKIP PROCESSING	R41 K0380500
				813	MVC 0(2,WA),=C'Z='	MOVE COMPACTION INDICATOR	R41 K0380600
				814	SLR R0,R0	CLEAR REGISTER	R41 K0380700
				815	IC R0,DCTDCPTN-DCTDSECT(,R1)	INSERT COMPACTION NUMBER	R41 K0380800
				816	CVD R0,COMDWORK	CONVERT TO DECIMAL	R41 K0380900
				817	MVC 2(4,WA),=X'40202120'	SET EDIT PATTERN	R41 K0381000
				818	ED 2(4,WA),COMDWORK+6	EDIT FOR PRINT	R41 K0381100
				819	CLI 4(WA),C' '	TEST IF NUMBER BETWEEN 0-9	R41 K0381200
				820	BNE COFK&R	SKIP IF COMPACTION 0-9	R41 K0381300
				821	MVC 2(1,WA),5(WA)	MOVE 1 BYTE COMPACTION NUMBER	R41 K0381400
				822	LA WA,3(,WA)	UPDATE POINTER TO MESSAGE AREA	R41 K0381500
				823	B COFJ&R	BYPASS 2 BYTE COMPACTION NUMBER	R41 K0381600
	COFK&R			824	MVC 2(2,WA),4(WA)	MOVE TWO BYTES TO MESSAGE	R41 K0381700
				825	LA WA,4(,WA)	UPDATE POINTER TO MESSAGE AREA	R41 K0381800
				826	MVI 0(WA),X'40'	CLEAN FOR 1 LINE DISPLAY	R41 K0381900
	COFJ&R			827	TM DCTPPSW2-DCTDSECT(R1),DCTNIPRT	TEST FOR 3800 PRINTER	R41 K0382000
				828	BZ COF&R.X	BR IF NOT	R4 K0382100
				829	SPACE 1		R4 K0382200
				830	*****		K0382300
	*			831	3800 PRINTERS ONLY--BURST,MARK,CHARS,FLASH AND MODIFY		* K0382500
				832	*****		K0383000
				833	MVC 0(7,WA),=C'B=N M=N'	ASSUME NO BURST AND NO EDGE-MARK	R4 K0383500
				834	TM DCTPPSW2-DCTDSECT(R1),DCTNIBRS	TEST FOR BURST MODE	R4 K0384000
				835	BZ *+8	BR IF NO	R4 K0384500
				836	MVI 2(WA),C'Y'	ELSE INDICATE BURST MODE	R4 K0385000
				837	TM DCTPPSW2-DCTDSECT(R1),DCTNIMRK	TEST EDGE-MARK MODE	R4 K0385500
				838	BZ *+8	BR IF NO	R4 K0386000
				839	MVI 6(WA),C'Y'	ELSE INDICATE EDGE-MARK MODE	R4 K0386500
				840	LA WA,7+1(,WA)	POINT TO NEXT MSG AREA	R4 K0387000
				841	SPACE 1		R4 K0387500
				842	CLC DCTCHAR1-DCTDSECT(4,R1),=C'****'	TEST FOR CHAR SET	R4 K0388000
				843	BE COFU&R	BR IF END OF CHARS LIST	R4 K0388500
				844	MVC 0(3,WA),=C'X1='	MOVE IN CHAR SET PREFIX	R4 K0389000
				845	MVC 3(L'DCTCHAR1,WA),DCTCHAR1-DCTDSECT(R1)	SET CHAR1 ID	R4 K0389500
				846	LA WA,3+L'DCTCHAR1+1(,WA)	POINT TO NEXT MSG AREA	R4 K0390000
				847	CLC DCTCHAR2-DCTDSECT(4,R1),=C'****'	TEST FOR CHAR SET	R4 K0390500
				848	BE COFU&R	BR IF END OF CHARS LIST	R4 K0391000
				849	MVC 0(3,WA),=C'X2='	MOVE IN CHAR SET PREFIX	R4 K0391500
				850	MVC 3(L'DCTCHAR2,WA),DCTCHAR2-DCTDSECT(R1)	SET CHAR2 ID	R4 K0392000
				851	LA WA,3+L'DCTCHAR2+1(,WA)	POINT TO NEXT MSG AREA	R4 K0392500
				852	CLC DCTCHAR3-DCTDSECT(4,R1),=C'****'	TEST FOR CHAR SET	R4 K0393000
				853	BE COFU&R	BR IF END OF CHARS LIST	R4 K0393500
				854	MVC 0(3,WA),=C'X3='	MOVE IN CHAR SET PREFIX	R4 K0394000
				855	MVC 3(L'DCTCHAR3,WA),DCTCHAR3-DCTDSECT(R1)	SET CHAR3 ID	R4 K0394500
				856	LA WA,3+L'DCTCHAR3+1(,WA)	POINT TO NEXT MSG AREA	R4 K0395000
				857	CLC DCTCHAR4-DCTDSECT(4,R1),=C'****'	TEST FOR CHAR SET	R4 K0395500
				858	BE COFU&R	BR IF END OF CHARS LIST	R4 K0396000
				859	MVC 0(3,WA),=C'X4='	MOVE IN CHAR SET PREFIX	R4 K0396500
				860	MVC 3(L'DCTCHAR4,WA),DCTCHAR4-DCTDSECT(R1)	SET CHAR4 ID	R4 K0397000
				861	LA WA,3+L'DCTCHAR4+1(,WA)	POINT TO NEXT MSG AREA	R4 K0397500
				862	EJECT		R41 K0397900
	COFU&R			863	NULL		R4 K0398000
				864	CLC DCTFLASH-DCTDSECT(4,R1),=C'****'	TEST FOR FLASH ID	R4 K0398500
				865	BE *+20	BR IF NOT SET	R4 K0399000
				866	MVC 0(2,WA),=C'O='	SET FLASH PREFIX	R4 K0399500
				867	MVC 2(L'DCTFLASH,WA),DCTFLASH-DCTDSECT(R1)	SET FLASH ID	R4 K0400000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
868				LA	WA,2+L'DCTFLASH+1(,WA) POINT TO NEXT MSG AREA	R4	K0400500
869				SPACE	1	R4	K0401000
870				CLC	DCTMODF-DCTDSECT(4,R1),=C'****' TEST FOR MODIFY ID	R4	K0401500
871				BE	*+20 BR IF NOT SET	R4	K0402000
872				MVC	0(2,WA),=C'Y=' SET MODIFY PREFIX	R4	K0402500
873				MVC	2(L'DCTMODF,WA),DCTMODF-DCTDSECT(R1) SET MODIFY ID	R4	K0403000
874				LA	WA,2+L'DCTMODF+1(,WA) POINT TO NEXT MSG AREA	R4	K0403500
875				B	COF&R.X AND EXIT DISPLAY		K0404000
876	COF&R.1			MVC	2(*-*,WA),DCTCLASS-DCTDSECT(R1) ** EXECUTE ONLY **		K0404500
877				SPACE	2		K0405000
878					*****		K0405500
879	*				DISPLAY READERS--DEFAULT JOB AND MSG CLASSES	*	K0406000
880					*****		K0406500
881	COF&R.I			NULL			K0407000
882				MVC	0(6,WA),=C'C= Q=' SET JOB MSG PREFIXES		K0407500
883				CLC	DCTDEVN-DCTDSECT(,R1),=CL8'STCINRDR' TEST STC @OZ25941		K0407600
884				BE	COFV&R BRANCH IF STCINRDR @OZ25941		K0407700
885				CLC	DCTDEVN-DCTDSECT(,R1),=CL8'TSOINRDR' TEST TSO @OZ25941		K0407800
886				BNE	COFW&R BRANCH IF NOT TSOINRDR @OZ25941		K0407900
887	COFV&R			DS	0H @OZ25941		K0407910
888				MVI	2(WA),C'*' SET DEFAULT JOB CLASS @OZ25941		K0407920
889				B	COFX&R BRANCH FOR MSG CLASS @OZ25941		K0407930
890	COFW&R			DS	0H @OZ25941		K0407940
891				MVC	2(1,WA),DCTJCLAS-DCTDSECT(R1) SET DEFAULT JOB CLASS		K0408000
892	COFX&R			DS	0H @OZ25941		K0408400
893				MVC	6(1,WA),DCTMCLAS-DCTDSECT(R1) SET DEFAULT MSG CLASS		K0408500
894				LA	WA,8(,WA) POINT TO NEXT MSG BYTE		K0409000
895				SPACE	1		K0409500
896				TM	DCTDEVTP-DCTDSECT(R1),DCTRJE SEPERATE REMOTE READER		K0410000
897				BO	COF&R.N BR IF REMOTE READER		K0410500
898					*****		K0411000
899	*				DISPLAY AUTHORITY FOR LOCAL AND INTERNAL READERS	*	K0411500
900					*****		K0412000
901				MVC	0(2,WA),=C'A=' SET AUTHORITY PREFIX		K0412500
902				SLR	R15,R15 CLEAR WORK FOR INSERT CHAR		K0413000
903				IC	R15,DCTRAUTH-DCTDSECT(,R1) GET AUTHORITY		K0413500
904				LA	R0,DCTREJJB+DCTREJDV+DCTREJSY SET NO AUTHORITY		K0414000
905				NR	R15,R0 TO TURN OFF MISC BITS		K0414500
906					*****		K0414900
907	*				TABLE HAS TWO BYTE ENTRIES	*	K0415000
908					*****		K0415100
909				ALR	R15,R15 DOUBLE R15 VALUE		K0415500
910				LA	R14,COF&R.O GET ADDRESS OF DISPLACEMENT		K0416000
911	*				AND LENGTH TABLE		K0416500
912				SLR	R1,R1 CLEAR R1		K0417000
913				IC	R1,0(R15,R14) GET DISPLACEMENT IN TBL		K0417500
914				LA	R1,COF&R.P(R1) POINT TO MSG		K0418000
915				IC	R15,1(R15,R14) GET MACHINE LENGTH		K0418500
916				EX	R15,COF&R.Q MOVE MSG TO AREA		K0419000
917				LA	WA,4(R15,WA) PT TO NXT AVAILABLE MSG BYTE		K0419500
918				L	R1,COMWORK RESTORE R1 CONTENTS		K0420000
919	COF&R.N			DS	0H R4		K0420500
920				EJECT		R41	K0420900
921					*****		K0421000
922	*				DEFAULT ROUTINGS FOR A READER	*	K0421500
923					*****		K0422000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
924				LA	R15,DCTPRINT-DCTDSECT(,R1) POINT TO PRINTER DEFAULT	R4	K0422500
925				LA	R0,1(,WA) POINT TO TEXT AREA	R4	K0423000
926				BAL	R14,COFRTC CONVERT TO EBCDIC	R4	K0423500
927				MVC	0(2,WA),=C'P=' SET KEYWORD	R4	K0424000
928				LA	WA,11(,WA) POINT TO NEXT SLOT	R4	K0424500
929				LA	R15,DCTPUNCH-DCTDSECT(,R1) POINT TO PUNCH DEFAULT	R4	K0425000
930				LA	R0,1(,WA) TEXT AREA	R4	K0425500
931				BAL	R14,COFRTC CONVERT TO EBCDIC	R4	K0426000
932				MVC	0(2,WA),=C'U=' SET KEYWORD	R4	K0426500
933				LA	WA,11(,WA) POINT TO NEXT SLOT	R4	K0427000
934					*****		K0432500
935	*				DISPLAY SYSTEM AFFINITIES OF A READER	*	K0433000
936					*****		K0433500
937				MVC	0(2,WA),=C'S=' SET AFFINITY PREFIX		K0434000
938				TM	DCTSIAFF-DCTDSECT(R1),QUEINDAF TEST FOR 'IND' MODE		K0434500
939				BZ	*+14 NO--SKIP INSERTION IN MSG		K0435000
940				MVC	2(4,WA),=C'IND,' SET 'IND' MODE IN MSG		K0435500
941				LA	WA,4(,WA) PT TO NEXT MSG BYTE		K0436000
942				TM	DCTSIAFF-DCTDSECT(R1),QUESYSAF TEST FOR AFF OF 'ANY'		K0436500
943				BNO	COF&R.8 NO--SEARCH QSE TABLE		K0437000
944				MVC	2(3,WA),=C'ANY' YES--SET 'ANY' IN MESSAGE		K0437500
945				LA	WA,6(,WA) POINT TO NEXT AVAILABLE BYTE		K0438000
946				B	COF&R.9 AND EXIT TO NEXT PORTION		K0438500
947	COF&R.8			DS	0H SEARCH QSE TABLE FOR AFFINITIES		K0439000
948				L	R15,\$QSE1 POINT TO 1ST QSE	R4	K0439500
949	*				THIS CARD DELETED BY APAR @OZ27300		K0440000
950				USING	QSESECT,R15 QSE ADDRESSABILITY		K0440500
951	*				THIS CARD DELETED BY APAR @OZ27300		K0441000
952	COFB&R			IC	R14,QSESIAFF PICK UP AFFINITY BITS @OZ27300		K0441500
953				EX	R14,COFA&R TEST FOR AFFINITY TO THIS SYSTEM		K0442000
954				BO	COFC&R YES--FILL-IN MESSAGE		K0442500
955	COFD&R			TM	QSEFLAGS,QSELAST NO--TEST FOR LAST ELEMENT		K0443000
956				LA	R15,QSELEN(,R15) BUMP TO NEXT QSE @OZ27300		K0443300
957				BZ	COFB&R IF NOT LAST LOOP THRU QSE TABLES		K0443500
958				MVI	1(WA),C' ' SET BLANK WHERE ', ' WAS		K0444000
959				LA	WA,2(,WA) POINT TO NEXT AVAILABLE MSG BYTE		K0444500
960				B	COF&R.9 AND EXIT TO NEXT PORTION		K0445000
961	COFC&R			DS	0H AFFINITY MATCH-MOVE IN SID NAME		K0445500
962				MVC	2(L'QSESID,WA),QSESID SET SID NAME IN MESSAGE		K0446000
963				MVI	L'QSESID+2(WA),C', ' SET SEPERATING COMMA		K0446500
964				LA	WA,L'QSESID+1(,WA) POINT TO NEXT AVAILABLE BYTE		K0447000
965				B	COFD&R AND SCAN NEXT TABLE ELEMENT		K0447500
966				DROP	R15 DROP QSE ADDRESSABILITY		K0448000
967	COFA&R			TM	DCTSIAFF-DCTDSECT(R1),*- * EXECUTE ONLY *		K0448500
968				EJECT		R41	K0449000
969					*****		K0449500
970	*				DISPLAY A READER HOLDING INCOMING JOBS	*	K0450000
971					*****		K0450500
972	COF&R.9			DS	0H DISPLAY READER'S HOLDING STATUS		K0451000
973				MVC	0(3,WA),=C'H=N' SET DEFAULT STATUS		K0451500
974				TM	DCTFLAGS-DCTDSECT(R1),DCTHOLDJ TEST FOR SAME		K0452000
975				BZ	*+8 EXIT IF NOT 'HOLDING'		K0452500
976				MVI	2(WA),C'Y' SET STATUS TO 'HOLDING'		K0453000
977				LA	WA,4(,WA) POINT TO NEXT BYTE @OZ68422		K0453500
978				SPACE	1 @OZ68422		K0453500
979					***** @OZ68422		K0453600

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
980	*				DISPLAY AN INTERNAL READER THAT IS ALLOCATED	@OZ68422 K0453650
981					*****	@OZ68422 K0453700
982					SPACE 1	@OZ68422 K0453750
983					CLI DCTDEVTP-DCTDSECT(R1),DCTINR TEST FOR INTRDR	@OZ68422 K0453800
984					BNE COF&R.X NO, EXIT DISPLAY	@OZ68422 K0453850
985					CLC RIDJBID-DCTDSECT(4,R1),=F'0' TEST FOR JOB	@OZ68422 K0453900
986					BE COF&R.X NO JOB, EXIT DISPLAY	@OZ68422 K0453950
987					MVC 0(7,WA),=C'OWNER=' YES, MOVE HEADER	@OZ68422 K0454000
988					LA WA,8(,WA) POINT TO NEXT MSG BYTE	@OZ68422 K0454050
989					MVC 0(8,WA),RIDJBID-DCTDSECT(R1) MOVE JOB ID	@OZ68422 K0454100
990					LA WA,9(,WA) POINT TO NEXT MSG BYTE	@OZ68422 K0454150
991					MVC 0(8,WA),RIDJNAM-DCTDSECT(R1) MOVE JOB NAME	@OZ68422 K0454200
992					LA WA,9(,WA) POINT TO END OF MSG	@OZ68422 K0454250
993					B COF&R.X EXIT DISPLAY	@OZ68422 K0454300
994					SPACE 2	R4 K0454500
995					*****	K0455000
996	*				DISPLAY RJE LINE DISCONNECTION STATE	* K0455500
997					*****	K0456000
998	COF&R.F			DS	0H	R4 K0456500
999				TM	MDCTSTAT-DCTDSECT(R1),DCTSOFF TEST SIGNOFF PENDING	R4 K0457000
1000				BNO	COF&R.R NO, BR--GO FORMAT PASSWORD	R4 K0457500
1001				MVC	0(4,WA),=C'D=Q ' SHOW SIGNOFF PENDING @OZ36938	K0458000
1002	COFF&R			TM	DCTFLAGS-DCTDSECT(R1),DCTRSTRT TEST FOR DCT RESTARTED	R4 K0458500
1003				BNO	COFG&R NO, BR--GO SHOW DISCONNECT STATUS	R4 K0459000
1004				MVC	0(3,WA),=C'D=I ' INDICATE RESTART ACCEPTED	R4 K0459500
1005	COFG&R			DS	0H	R4 K0460000
1006				LA	WA,4(,WA) MOVE PAST DISCONNECT INDICATOR	R4 K0460500
1007				B	COF&R.R GO FORMAT PASSWORD	R4 K0461000
1008					SPACE 2	R4 K0462000
1009					*****	K0462500
1010	*				DISPLAY LOGON DCT APPLICATION ID	* K0463000
1011					*****	K0463500
1012	COF&R.Z			DS	0H	R4 K0464000
1013				MVC	0(2,WA),=C'A=' MOVE IN APPLICATION ID PREFIX	R4 K0464500
1014				MVC	2(8,WA),MDCTAPPL-DCTDSECT(R1) AND APPLICATION ID	R4 K0465000
1015				LA	WA,11(,WA) MOVE PAST APPLICATION ID FIELD	R4 K0465500
1016					SPACE 2	R4 K0466500
1017					*****	K0467000
1018	*				DISPLAY DCT LOGGING AND PASSWORD STATUS	* K0467500
1019					*****	K0468000
1020	COF&R.R			DS	0H	R4 K0468500
1021				MVC	0(3,WA),=C'E=N' ASSUME NO LOGGING	R4 K0469000
1022				TM	DCTFLAGS-DCTDSECT(R1),DCTLOGAL TEST ASSUMPTION	R4 K0469500
1023				BZ	COFE&R CORRECT, BR - SKIP RESET	R4 K0470000
1024				MVI	2(WA),C'Y' MAKE MESSAGE SHOW LOGGING	R4 K0470500
1025	COFE&R			DS	0H	R4 K0471000
1026				LA	WA,4(,WA) MOVE PAST LOGGING INDICATOR	R4 K0471500
1027				CLI	MDCTPSWD-DCTDSECT(R1),C' ' TEST FOR PASSWORD SET	R4 K0472000
1028				BE	COF&R.X NO, BR - MESSAGE IS COMPLETE	R4 K0472500
1029				MVC	0(5,WA),=C'P=SET' INDICATE PASSWORD PRESENT	R4 K0473000
1030				LA	WA,6(,WA) LOCATE END OF MESSAGE	R4 K0473500
1031					EJECT	R41 K0474000
1032					*****	K0474500
1033	*				EXIT EXTENDED DISPLAY ROUTINE	* K0475000
1034					*****	K0475500
1035	COF&R.X			DS	0H COMPUTE RESPONSE SIZE	K0476000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1036	LR R1,WA	COPY END OF RESPONSE ADDRESS K0476500
				1037	LA R15,COMMAND+69	SET MAX RESPONSE SIZE K0477000
	COF&R.4			1038	CLR R1,R15	CHECK SIZE OF THIS RESPONSE K0477500
				1039	BNH COF&R.U	IF NOT TOO LARGE - SEND IT K0478000
	COF&R.T			1040	BCTR R1,0	TOO LARGE-SCAN TO BREAK-UP K0478500
				1041	CLI 0(R1),C'='	LOOK FOR AN OPERAND K0479000
				1042	BNE COF&R.T	NOT FOUND, BR - KEEP LOOKING R4 K0479500
				1043	BCTR R1,0	LOOK AT CHARACTER BEFORE = SIGN R4 K0480000
	COFL&R			1044	BCTR R1,0	BACK UP ONE MORE @OZ40627 K0480500
				1045	CLI 0(R1),C' '	IS IT A BLANK ... @OZ40627 K0481000
				1046	BNE COFL&R	BRANCH IF NO @OZ40627 K0481500
	*			1047		THIS CARD DELETED BY XXX @OZ40627 K0482000
				1048	B COF&R.4	AND CHECK RESULTANT SIZE K0482500
	COF&R.U			1049	DS 0H	RESPONSE OF PROPER SIZE - SEND K0483000
				1050	LA R0,1(,R1)	TRUE END OF RESPONSE K0483500
				1051	LA R14,COMMAND	BEGINNING OF RESPONSE K0484000
				1052	SLR R0,R14	LENGTH OF RESPONSE K0484500
				1053	CLR R1,WA	IS THIS A ONE-LINE RESPONSE K0485000
				1054	BE COF&R.V	YES--SKIP MULTIPLE LINES K0485500
				1055	STM R1,WA,COMDWORK	SAVE REGS OVER \$WTO K0486000
				1056	\$CWTO L=(R0)	SEND RESPONSE K0486500
				1057	LM R1,WA,COMDWORK	RELOAD REGS K0487000
				1058	SLR WA,R1	COMPUTE SIZE OF RESPONSE LEFT K0487500
				1059	BCTR WA,0	LESS ONE FOR TRUE SIZE K0488000
				1060	LA R0,COMMAND+23-COMMAND(,WA)	SAVE TOTAL SIZE K0488500
				1061	BCTR WA,0	MACHINE SIZE K0489000
				1062	EX WA,COF&R.Y	MOVE NEW RESPONSE DOWN K0489500
				1063	MVI COMMAND,C' '	BLANK AREA BEFORE SECOND LINE K0490000
				1064	MVC COMMAND+1(22),COMMAND	DITTO K0490500
				1065	LA WA,COMMAND+23+1(WA)	POINT TO END OF NEW RESPONSE K0491000
				1066	LR R1,WA	COPY TO R1 FOR LOOP K0491500
				1067	LA R15,COMMAND+69	SET MAX RESPONSE SIZE K0492000
				1068	CLR R1,R15	CHECK REMAINING RESPONSE K0492500
				1069	BH COF&R.T	IF GREATER LOOP K0493000
	COF&R.V			1070	DS 0H	R4 K0493500
	COF&R.2			1071	\$CWTO L=(R0)	WRITE FINAL MESSAGE R4 K0494000
				1072	L R1,COMWORK	RELOAD DCT R4 K0494500
				1073	L WA,COMFWORK	RETURN REGISTER R4 K0495000
				1074	LR BASE3,WA	RELOAD CALLERS BASE R4 K0495500
				1075	SH BASE3,0(,WA)	ADJUST CALLERS ADDRESSABILITY R4 K0496000
				1076	B 2(,WA)	RETURN TO CALLER R4 K0496500
	COF&R.Y			1077	MVC COMMAND+23(*-*),1(R1)	**** EXECUTE ONLY **** K0497500
				1078	EJECT	R41 K0498000
				1079	*****	K0498100
	*			1080	DISPLAY RAT DATA	* K0498200
				1081	*****	K0498300
	COFT&R			1082	DS 0H	R41 K0498400
				1083	L R1,COMWORK	PICK UP PASSED RAT ADDRESS R41 K0498500
				1084	LPR R1,R1	MAKE POSITIVE R41 K0498600
				1085	MVC COMMAND(8),RATNAME-RATDSECT(R1)	PUT IN PROPER NAME R41 K0498700
				1086	MVC 0(3,WA),=C'D=0'	SET UP FOR D=0 R41 K0498800
				1087	SLR R0,R0	CLEAR REG R41 K0498900
				1088	IC R0,RATDINTV-RATDSECT(R1)	GET RAT INTERVAL R41 K0499000
				1089	SLA R0,5	EXPAND IT R41 K0499100
				1090	LTR R0,R0	IS IT ZERO R41 K0499200
				1091	BZ COFM&R	YES, LEAVE IT AS IS R41 K0499300

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1092	CVD R0,COMDWORK NO, CONVERT TO DISPLAY	R41 K0499400
				1093	UNPK 2(5,WA),COMDWORK+5(3) PUT INTERVAL IN DISPLAY	R41 K0499500
				1094	OI 6(WA),X'F0' MAKE UNITS DIGIT READABLE	R41 K0499600
				1095	MVC 2(4,WA),3(WA) LEFT JUSTIFY D=NNNN	R41 K0499700
				1096	MVI 6(WA),X'40' CLEAR RIGHT MOST POSITION	R41 K0499800
				1097	CLI 2(WA),X'F0' IS LEFTMOST SIGNIFICANT	R41 K0499900
				1098	BH COFM&R YES, LEAVE AS IS	R41 K0500000
				1099	MVC 2(3,WA),3(WA) LEFT JUSTIFY TO D=NNN	R41 K0500100
				1100	MVI 5(WA),X'40' CLEAR RIGHT MOST POSITION	R41 K0500200
				1101	CLI 2(WA),X'F0' IS LEFTMOST SIGNIFICANT	R41 K0500300
				1102	BH COFM&R YES, LEAVE AS IS	R41 K0500400
				1103	MVC 2(2,WA),3(WA) LEFT JUSTIFY TO D=NN	R41 K0500500
				1104	MVI 4(WA),X'40' CLEAR RIGHT MOST POSITION	R41 K0500600
	COFM&R			1105	LA WA,7(WA) ADJUST POSITION COUNT	R41 K0500700
				1106	TM RATYPE-RATDSECT(R1),DCTPLU1 IS THIS SNA	R41 K0500800
				1107	BNO COF&R.X NO, SKIP A=	R41 K0500900
				1108	MVC 0(7,WA),=C'A=N S=N' ASSUME A=N AND S=N	R41 K0501000
				1109	TM RATFLAGS-RATDSECT(R1),RATALM IS IT A=N	R41 K0501100
				1110	BZ *+8 YES, LEAVE IT AS IS	R41 K0501200
				1111	MVI 2(WA),C'Y' NO, MAKE IT A=Y	R41 K0501300
				1112	TM RATFLAGS-RATDSECT(R1),RATSRMT IS IT S=N	R41 K0501400
				1113	BZ *+8 YES, LEAVE AS IS	R41 K0501500
				1114	MVI 6(WA),C'Y' MAKE IT S=Y	R41 K0501600
				1115	LA WA,7(WA) ADJUST POSITION COUNTER	R41 K0501700
				1116	B COF&R.X WRITE MESSAGE & EXIT	R41 K0501800
				1117	SPACE 2	R41 K0501900
				1118	DROP BASE3 RELEASE ROUTINE ADDRESSABILITY	R41 K0502000
				1119	EJECT	R41 K0502100
				1120	*****	K0502200
	*			1121	AUTHORITY MSG TABLE	* K0502300
				1122	*****	K0502400
	COF&R.P	DC		1123	C'SYS+DEV+JOB+SYSDISPLAY' ALL POSSIBLE MSGS	K0502500
				1124	SPACE 2	K0502600
				1125	*****	K0502700
	*			1126	DISPLACEMENT AND LENGTH TABLE	* K0502800
	*			1127	EACH ENTRY HAS DISPLACEMENT INTO ABOVE TABLE AND LENGTH	* K0502900
	*			1128	FOR EACH AUTHORITY LEVEL	* K0503000
				1129	*****	K0503100
	COF&R.O	DC		1130	AL1(00,10) AUTH=SYS+JOB+DEV LENGTH=11	K0503200
		DC		1131	AL1(04,06) AUTH=DEV+JOB LENGTH=7	K0503300
		DC		1132	AL1(08,06) AUTH=JOB+SYS LENGTH=7	K0503400
		DC		1133	AL1(08,02) AUTH=JOB LENGTH=3	K0503500
		DC		1134	AL1(00,06) AUTH=SYS+DEV LENGTH=7	K0503600
		DC		1135	AL1(04,02) AUTH=DEV LENGTH=3	K0504000
		DC		1136	AL1(00,02) AUTH=SYS LENGTH=3	K0504500
		DC		1137	AL1(15,06) AUTH=DISPLAY LENGTH=7	K0505000
				1138	SPACE 2	K0505500
		DS		1139	0H ASSURE HALFWORD ALIGNMENT	K0506000
	COF&R.Q	MVC		1140	2(*-*,WA),0(R1) **** EXECUTE ONLY ****	K0506500
	*			1141	INSTRUCTION IS USED TO MOVE AUTHORITY MSGS TO MSG AREA	K0507000
	COF&R.E	DC		1142	XL12'402020202020202020202120' EDIT PATTERN @OZ40627	K0507200
	.XIT			1143	MEND	K0507500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1145	MACRO -- \$CFDCTL -- DEVICE CONTROL TABLE LOCATE	K0508500
				1146	&NAME \$CFDCTL &POINTER=(R1),&TYPE=CALL,&INFO=NO	K0509000
				1147	GBLC &DOC	K0509500
				1148	LCLC &R	K0510000
				1149	&R SETC '&SYSNDX'	K0510500
				1150	AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0511000
				1151	AIF ('&TYPE' EQ 'RES').NOJECT	K0511500
				1152	EJECT	K0512000
				1153	.NOJECT SPACE 2	K0512500
				1154	*****	K0513000
				1155	*	* K0513500
				1156	* COFDCTL -- DEVICE CONTROL TABLE LOCATE	* K0514000
				1157	*	* K0514500
				1158	* ROUTINE EXAMINES DEVICE NAMED BY THE CURRENT OPERAND	* K0515000
				1159	* 'POINTER', CONVERTS OPERAND TO EIGHT CHARACTER FORMAT,	* K0515500
				1160	* AND LOCATES THE DCT.	* K0516000
				1161	* NO \$WAITS ARE ISSUED.	* K0516500
				1162	*	* K0517000
				1163	* REGISTERS USED	* K0517500
				1164	* R0 = WORK REGISTER	* K0518000
				1165	* R1 = OPERAND POINTER - ADDRESS OF DCT,-RAT, OR ZERO	* K0518500
				1166	* R15 = WORK REGISTER	* K0519000
				1167	* LINK = RETURN LINKAGE	* K0519500
				1168	*	* K0520000
				1169	* NOTES	* K0520500
				1170	* COMEWORK AND COMDWORK ARE USED FOR SCRATCH. NOTE THAT	* K0521000
				1171	* THIS ROUTINE IS DEPENDENT ON COMDWORK ALWAYS	* K0521100
				1172	* FOLLOWING COMEWORK IN THE WORK AREA.	* K0521200
				1173	*	* K0521500
				1174	*****	K0522000
				1175	.Z ANOP	K0522500
				1176	AIF ('&TYPE' NE 'CALL').INL	K0523000
				1177	&NAME \$DECODE &POINTER	K0523500
				1178	.CAL BAL LINK,COFDCTL LOCATE DCT	K0524000
				1179	MEXIT	K0524500
				1180	.INL ANOP	K0525000
				1181	&NAME NULL	K0526000
				1182	*****	K0526400
				1183	* SEPARATE DEVICE NAME	* K0526500
				1184	*****	K0526600
				1185	MVC COMEWORK(8),=CL8' ' CLEAR WORK AREA TO BLANKS	K0527000
				1186	L R15,4(,R1) LOCATE NEXT OPERAND	K0527500
				1187	LA R15,0(,R15) CLEAR HI-ORDER BYTE R4	K0528000
				1188	L R1,0(0,R1) LOCATE THIS ONE	K0528500
				1189	SR R15,R1 LENGTH OF OPERAND + 1	K0529000
				1190	BCT R15,*+8 ACTUAL LENGTH	K0529500
				1191	B COF&R.Z COMPARE AGAINST BLANK IF NULL R4	K0530000
				1192	BCTR R15,0 MACHINE LENGTH	K0530500
				1193	LA R0,7 SET MAXIMUM LENGTH	K0531000
				1194	CLR R15,R0 TEST FOR WITHIN MAXIMUM	K0531500
				1195	BNH *+6 ACCEPT CURRENT LENGTH IF YES	K0532000
				1196	LR R15,R0 SET TO MOVE EIGHT CHARACTERS	K0532500
				1197	EX R15,COF&R.N MOVE COMPLETE OPERAND	K0533000
				1198	TM COMFLAG,CMBFLAGW TEST FOR RMT ENTERED COMMAND R41	K0533100
				1199	BNO COF&R.D BR IF NOT - SKIP RMT DEV ABREV. R41	K0533200
				1200	CLC COMJSYS,\$OWNSYS CMD ENTERED THIS SYSTEM... R41	K0533600

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1201	BNE COF&R.D	BR IF NOT -- CANNOT BE RMT DEV R41 K0533800
				1202	LA R0,2	TEST FOR R41 K0533900
				1203	CLR R0,R15	3-BYTE OPERAND R41 K0534000
				1204	BH COF&R.D	MORE THAN 3, CANNOT BE RMT DEV R41 K0534100
				1205	CLI COMEWORK+2,C'0'	TEST 3RD CHARACTER FOR NUMERIC R41 K0534200
				1206	BL COF&R.D	NON-NUMERIC, CANNOT BE RMT DEV R41 K0534300
				1207	CLC =CL2'RD',COMEWORK	TEST FOR REMOTE READER R41 K0534400
				1208	BE COF&R.G	BR IF YES - GO CONVERT ABREV. R41 K0534500
				1209	CLC =CL2'PR',COMEWORK	TEST FOR REMOTE PRINTER R41 K0534600
				1210	BE COF&R.G	BR IF YES - GO CONVERT ABREV. R41 K0534700
				1211	CLC =CL2'PU',COMEWORK	TEST FOR REMOTE PUNCHES R41 K0534800
				1212	BNE COF&R.D	BR IF NO - CANNOT BE A RMT DEV R41 K0534900
	COF&R.G			1213	ICM R0,7,COMEWORK	SAVE 3-CHARACTER OPERAND R41 K0535000
				1214	LA R15,COMEWORK+1	PICK UP WORK AREA ADDRESS + 1 R41 K0535100
				1215	SR R1,R1	GET RMT NUMBER R41 K0535200
				1216	IC R1,COMJRMT	FROM WHICH COMMAND ENTERED R41 K0535300
				1217	BCTR R1,0	MINUS 1 R41 K0535400
				1218	MH R1,=AL2(RATTLE)	COMPUTE RAT R41 K0535500
				1219	AL R1,\$RATABLE	OFFSET R41 K0535600
				1220	MVI COMEWORK,C'R'	SET UP REMOTE R41 K0535700
				1221	MVC COMEWORK+1(4),RATNAME-RATDSECT+3(R1)	NAME PREFIX R41 K0535800
				1222	MVI COMEWORK+4,C' '	FORCE REMAINDER R41 K0535900
				1223	MVC COMEWORK+5(3),COMEWORK+4	TO BLANKS R41 K0536000
				1224	LA R15,1(,R15)	BUMP TO NEXT CHARACTER R41 K0536100
				1225	CLI 0(R15),C' '	TEST FOR BLANK R41 K0536200
				1226	BNE *-8	NON-BLANK, LOOP R41 K0536300
				1227	MVI 0(R15),C'.'	INSERT SEPARATOR R41 K0536400
				1228	LA R15,1(,R15)	BUMP TO NEXT CHARACTER R41 K0536500
				1229	STCM R0,7,0(R15)	USE 3-CHAR OPERAND AS SUFFIX R41 K0536600
	COF&R.D			1230	DS 0H	R41 K0536700
				1231	CLC COMEWORK(3),=C'RMT'	IS THIS RMTN FORMAT R41 K0536800
				1232	BNE COF&R.C	NO, SKIP MOVE R41 K0536900
				1233	MVC COMEWORK+1(5),COMEWORK+3	COMPRESS TO RN FORMAT R41 K0537000
				1234	LA R15,COMEWORK+1	SET BXLE INDEX R41 K0537100
				1235	LA R1,COMEWORK+4	SET MAX 3 DIGITS R41 K0537200
				1236	LA R0,1	SET TO SCAN 1 AT A TIME R41 K0537300
				1237	SPACE 1	R41 K0537400
	COF&R.H			1238	CLI 0(R15),C','	CHECK FOR TERMINATING CHAR R41 K0537500
				1239	BE COF&R.P	YES, CONVERT RMT NUMBER R41 K0537600
				1240	CLI 0(R15),C' '	CHECK FOR RMTN ONLY R41 K0537700
				1241	BE COF&R.P	YES, CONVERT RMT NUMBER R41 K0537800
				1242	CLI 0(R15),C'0'	CHECK FOR VALID RANGE R41 K0537900
				1243	BL COF&R.U	NO, ERROR R41 K0538000
				1244	BXLE R15,R0,COF&R.H	LOOP R41 K0538100
				1245	B COF&R.U	ERROR IF 4 CHARS R41 K0538200
				1246	SPACE 1	R41 K0538300
	COF&R.C			1247	CLI COMEWORK,C'R'	IS REMOTE SPECIFIED R41 K0538500
				1248	BNE COF&R.V	NO, SKIP RAT LOOKUP R41 K0538600
				1249	CLI COMEWORK+1,C'0'	IS THIS RN FORMAT R41 K0538700
				1250	BL COF&R.V	NO--SKIP RAT LOOK-UP K0539100
				1251	LA R15,COMEWORK+1	SET INDEX FOR BXLE K0539500
				1252	LA R1,COMEWORK+4	SET COMPORAND FOR 3 DIGITS K0540000
				1253	LA R0,1	SET INCREMENT FOR SCAN K0540500
				1254	SPACE 1	K0541000
	COF&R.O			1255	CLI 0(R15),C'.'	CHECK FOR TERMINATING CHAR K0541500
				1256	BE COF&R.P	YES--CONVERT RMT NBR TO BINARY K0542000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1257	CLI 0(R15),C'0'	CHECK FOR VALID RANGE K0542500
				1258	BL COF&R.U	IF LESS--ERROR IN OPERAND K0543000
				1259	BXLE R15,R0,COF&R.O	LOOP THROUGH OPERAND TILL '.' K0543500
				1260	B COF&R.U	OR FOUR CHAR--ERROR IF NOT FND K0544000
				1261	EJECT	R41 K0544500
	COF&R.P			1262	NULL	VALID FORMAT(IE. RNNN.) K0545000
				1263	LR R1,R15	SAVE POSITION OF '.' K0545500
				1264	MVC COMDWORK+4(3),1(R1)	SAVE DEVICE NAME PORTION K0546000
				1265	LA R15,COMDWORK+1	FIND START OF NUMERIC AGAIN K0546500
				1266	SR R1,R15	COMPUTE SIZE OF FIELD K0547000
				1267	BNP COF&R.U	BRANCH IF NOT POSITIVE--ERROR K0547500
				1268	BCTR R1,0	REDUCE BY ONE FOR MACHINE K0548000
				1269	LR R0,WA	SAVE REG 2 OVER 'TRT' K0548500
				1270	L R15,=A(CVALIDTB)	POINT TO TEST TABLE R4 K0549000
				1271	EX R1,COF&R.R	TEST FOR VALID NUMERICS K0549500
				1272	LR WA,R0	RESTORE R2 K0550000
				1273	BNZ COF&R.U	BRANCH IN ERROR IF NOT NUMERIC K0550500
				1274	LM R15,R0,COMDWORK	SAVE COMDWORK K0551000
				1275	EX R1,COF&R.S	PACK NUMERIC PORTION OF NAME K0551500
				1276	CVB R1,COMDWORK	CONVERT REMOTE NBR TO BINARY K0552000
				1277	STM R15,R0,COMDWORK	RESTORE COMDWORK K0552500
				1278	LTR R1,R1	TEST FOR A GOOD VALUE K0553000
				1279	BNP COF&R.U	ERROR IF NOT POSITIVE K0553500
	COF&R.A			1280	LH R0,\$NUMRJE	GET MAX NUMBER OF REMOTES R4 K0560000
				1281	CLR R1,R0	IS CONVERTED HIGHER K0560500
				1282	BH COF&R.U	YES -- ERROR K0561000
				1283	BCTR R1,0	LESS ONE FOR RAT DISPLACEMENT K0561500
				1284	MH R1,=Y(RATTLE)	GET OFFSET IN RAT TABLE K0562000
				1285	L R0,\$RATABLE	POINT TO 1ST RAT ELEMENT R4 K0562500
				1286	LTR R0,R0	TEST FOR ANY RJE LINES K0563000
				1287	BZ COF&R.U	NONE -- ERROR K0563500
				1288	ALR R1,R0	COMPUTE LOCATION OF REMOTE K0564000
				1289	CLC COMDWORK+4(3),=C'CON'	IS THIS CONSOLE K0564500
				1290	BNE COFL&R	SKIP TEST FOR \$T COMMAND R41 K0564600
				1291	CLI COMVERB,C'T'	TEST IF \$T CON COMMAND R41 K0564700
				1292	BE COF&R.X	EXIT WITH R1 POINTING TO -RAT K0564800
				1293	B COF&R.U	ERROR, ONLY \$TRN.CON VALID R41 K0565000
	COFL&R			1294	CLI COMDWORK+4,C' '	TEST IF ONLY RN SPECIFIED R41 K0565100
				1295	BE COF&R.X	YES, EXIT - R1 POINTING TO RAT R41 K0565200
				1296	L R1,RATRDCT-RATDSECT(,R1)	FIND FIRST REMOTE DCT K0565500
				1297	SPACE 1	K0566000
	COF&R.W			1298	CLC DCTDEVN-DCTDSECT(L'DCTDEVN,R1),COMDWORK	LOOK FOR K0566500
				1299	BER LINK	DCT--IF FOUND RETURN WITH DCT K0567000
	COF&R.B			1300	L R1,MDCTDCT-DCTDSECT(,R1)	POINT TO NEXT DCT R4 K0567500
				1301	LTR R1,R1	TEST FOR END OF REMOTES DEV K0568000
				1302	BNZ COF&R.W	LOOP THROUGH RMT DEVICES K0568500
	COF&R.U			1303	SLR R1,R1	IF RMT NOT FOUND INDICATE IT K0569000
				1304	BR LINK	AND RETURN K0569500
	COF&R.X			1305	LCR R1,R1	COMPLEMENT RAT ADDRESS K0570000
				1306	BR LINK	RETURN K0570500
				1307	SPACE 2	K0571000
	COF&R.R			1308	TRT COMEWORK+1(*-*),0(R15) *** EXECUTE ONLY ***	R4 K0571500
	COF&R.S			1309	PACK COMDWORK(L'COMDWORK),COMEWORK+1(*-*) * EXECUTE *	K0572000
				1310	SPACE 2	K0572500
	COF&R.V			1311	NULL	COME HERE WHEN NOT A RMT K0573000
				1312	CLC COMEWORK(3),=C'LDI'	CHECK FOR INTERNAL RDR K0573500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				1313	BNE COF&R.Z NO--SKIP 1ST INTRDR LOCATE		K0574000
				1314	L R1,\$SSVT YES--POINT TO THE SSVT		K0574500
				1315	L R1,\$SVIRDRS-\$SSVDSECT(,R1) POINT TO 1ST INTRDR		K0575000
	COF&R.Y			1316	CLC DCTDEVN-DCTDSECT(6,R1),=C'INTRDR' CHECK FOR 1ST ONE		K0575500
				1317	BER LINK YES--RETURN WITH 1ST INTRDR		K0576000
				1318	ICM R1,7,DCTCHAIN+1-DCTDSECT(R1) ELSE GET NEXT		K0576500
				1319	BNZ COF&R.Y AND LOOP FOR 1ST INTRDR		K0577000
				1320	SLR R1,R1 ELSE FLAG AS NOT FOUND		K0577500
				1321	BR LINK AND RETURN TO CALLER		K0578000
	COF&R.Z			1322	DS 0H COME HERE WHEN NOT INTRDR		K0578500
				1323	LA R1,COFDCTPL POINT R1 TO LAST TABLE ENTRY R41		K0578600
				1324	CLI COMEWORK+3,C'0' IS 4TH CHARACTER NUMERIC... R41		K0578700
				1325	BL COF&R.E BYPASS TABLE LOOKUP IF NOT R41		K0578800
				1326	ICM R0,15,COMEWORK+3 SAVE NUMERICS (BLANK-PADDED) R41		K0578900
				1327	SPACE 1		K0579000
				1328	*****		K0579400
	*			1329	CONVERT SHORT NAME OF DEVICE TO LONG NAME AS IN DCT *		K0579500
				1330	*****		K0579600
				1331	LA R1,COF&R.T POINT TO CONVERT TABLE R4		K0580000
	COF&R.L			1332	IC R15,3(0,R1) PICK UP MACHINE LENGTH OF ANSWER		K0580500
				1333	CLC COMEWORK(3),0(R1) LOOK FOR MATCH		K0581000
				1334	BE COF&R.F IF MATCH, REPLACE WITH LONG FORM R4		K0581500
				1335	LA R1,14(,R1) POINT TO NEXT TABLE ELEMENT R4		K0582000
				1336	CLI 0(R1),X'FF' CHECK FOR END OF TABLE		K0582500
				1337	BNE COF&R.L IF NOT, LOOP		K0583000
				1338	B COF&R.E IF END, EXIT		K0583500
				1339	SPACE 2		K0584000
				1340	*****		K0584500
	*			1341			K0585000
	*			1342	DEVICE ABBREVIATION TABLE		K0585500
	*			1343			K0586000
	*			1344	NOTE--IF \$NUMPRTS IS GREATER THAN 9, THE 2ND ENTRY IN THIS TABLE		K0586500
	*			1345	IS MODIFIED AT INITIALIZATION TIME TO THE FOLLOWING FORMAT..		K0587000
	*			1346			K0587500
	*			1347	DC C'PRT',X'05',C'PRINTR ',Y(\$LNEDCT-HCTDSECT)		K0588000
	*			1348			K0588500
				1349	*****		K0589000
	COF&R.T			1350	DS 0H		K0589500
				1351	DC C'LINE',X'03',C'LINE ',Y(\$LNEDCT-HCTDSECT) R4		K0590000
	COFPRINT			1352	DC C'PRT',X'06',C'PRINTER ',Y(\$PRTDCT-HCTDSECT) R4		K0590500
				1353	DC C'PUN',X'04',C'PUNCH ',Y(\$PUNDCT-HCTDSECT) R4		K0591000
				1354	DC C'RDR',X'05',C'READER ',Y(\$RDRDCT-HCTDSECT) R4		K0591500
				1355	DC C'LGN',X'04',C'LOGON ',Y(\$LOGNDCT-HCTDSECT) R4		K0592500
	COFDCTPL			1356	DC X'FF',C' ',C'FILLER ',Y(\$DCTPOOL-HCTDSECT) R41		K0593500
				1357	EJECT		K0594000
				1358	*****		K0594400
	*			1359	ARGUMENT FOUND, MOVE NUMERIC PORTION INTO PLACE *		K0594500
				1360	*****		K0594600
	COF&R.F			1361	EX R15,COF&R.M MOVE LONG FORM OF TEXT		K0595000
				1362	LA R15,COMEWORK+1(R15) POINT TO END OF TEXT + 1 R41		K0595500
				1363	MVI COMEWORK+8,C' ' MOVE IN FIELD DELIMITER R41		K0596000
				1364	STCM R0,15,0(R15) MOVE NUMERICS IN AFTER TEXT R41		K0596500
				1365	CLI COMEWORK+8,C' ' DID WE TRUNCATE ANY DATA... R41		K0597000
				1366	BE COF&R.E NO--GO TO LOCATE DCT R4		K0597500
				1367	SLR R1,R1 YES--ERROR--ZERO OUT DCT REG R4		K0598000
				1368	BR LINK AND RETURN TO CALLER R4		K0598500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
1369				SPACE 1		R4 K0599000
1370				*****		K0600900
1371				* LOCATE DEVICE CONTROL TABLE		* K0601000
1372				*****		K0601100
1373	COF&R.E	LH	R1,12(,R1)		POINT TO STARTING POINT	R4 K0601500
1374		L	R1,HCTDSECT(R1)		IN DCT CHAIN	R4 K0602000
1375		LTR	R1,R1		TEST CHAIN ADDRESS	R4 K0602500
1376		BNZ	COF&R.K		BR IF VALID	R4 K0603000
1377		ICM	R1,15,\$DCTPOOL		POINT TO 1ST DCT	R4 K0603500
1378		BZR	LINK		RETURN IF NONE	R4 K0604000
1379	COF&R.K	CLC	DCTDEVN-DCTDSECT(L'DCTDEVN,R1),COMWORK LOOK FOR MATCH			K0604500
1380		BE	COF&R.Q		CHECK FOR SYSTEM INTRDRS	K0605000
1381		ICM	R1,7,DCTCHAIN+1-DCTDSECT(R1)		POINT TO NEXT DCT	K0605500
1382		BNZ	COF&R.K		LOOP TO NEXT IF NOT AT END	K0606000
1383		BR	LINK		RETURN WITHOUT DCT	K0606500
1384	COF&R.Q	DS	0H		LOOK FOR SYSTEM INTRDRS	K0607000
1385		CLI	DCTDEVTP-DCTDSECT(R1),DCTINR IS THIS AN INTRDR			K0607500
1386		BNER	LINK		NO--RETURN WITH DCT FOUND	K0608000
1387		SLR	R1,R1		YES--MUST BE SYSTEM INTRDR	K0608500
1388		BR	LINK		RETURN WITH NO DCT	K0609000
1389		SPACE 5				R41 K0609400
1390	COF&R.N	MVC	COMWORK(*-*),0(R1)		**** EXECUTE ONLY ****	K0609500
1391	COF&R.M	MVC	COMWORK(*-*),4(R1)		**** EXECUTE ONLY ****	K0610000
1392	.XIT	MEND				K0610500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1394	MACRO -- \$CFINVC -- INVALID COMMAND	K0611500
				1395	&NAME \$CFINVC &D,&DD,&TYPE=CALL,&INFO=NO	K0612000
				1396	GBLC &DOC	K0612500
				1397	LCLC &R	K0613000
				1398	&R SETC '&SYSNDX'	K0613500
				1399	AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0614000
				1400	AIF ('&TYPE' EQ 'RES').NOJECT	K0614500
				1401	EJECT	K0615000
				1402	.NOJECT SPACE 2	K0615500
				1403	*****	K0616000
				1404	*	* K0616500
				1405	* COFINVC -- REPLY INVALID COMMAND	* K0617000
				1406	*	* K0617500
				1407	* ROUTINE RETURNS TO MAIN COMMAND PROCESSOR BEFORE \$WAIT	* K0618000
				1408	*	* K0618500
				1409	*****	K0619000
				1410	.Z ANOP	K0619500
				1411	AIF ('&TYPE' NE 'CALL').INL	K0620000
				1412	.CAL ANOP	K0620500
				1413	&NAME B COFINVC REPLY INVALID COMMAND	K0621000
				1414	MEXIT	K0621500
				1415	.INL ANOP	K0622000
				1416	SPACE 10 R41	K0622300
				1417	*****	K0622400
				1418	* RETURN WITH INVALID COMMAND AS RESPONSE	* K0622500
				1419	*****	K0622600
				1420	&NAME MVC COMMAND+9(16),=C' INVALID COMMAND' MOVE DIAG.	K0623000
				1421	\$CRET L=25,INFO=NO	K0623500
				1422	.XIT MEND	K0624000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
1424					MACRO -- \$CFINVO -- INVALID OPERAND	K0625000
1425	&NAME				\$CFINVO &TYPE=CALL,&OPERAND=(R1),&INFO=NO	K0625500
1426					GBLC &DOC	K0626000
1427					LCLC &C,&R	K0626500
1428	&C				SETC '0&OPERAND' MVC X,0(OPERAND)	K0627000
1429					AIF ('&OPERAND'(1,1) EQ '(').A	K0627500
1430	&C				SETC '&OPERAND' MVC X,OPERAND	K0628000
1431	.A				ANOP	K0628500
1432	&R				SETC '&SYSNDX'	K0629000
1433					AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0629500
1434					AIF ('&TYPE' EQ 'RES').NOJECT	K0630000
1435					EJECT	K0630500
1436	.NOJECT				SPACE 2	K0631000
1437					*****	K0631500
1438	*				*	* K0632000
1439	*				COFINVO -- REPLY INVALID OPERAND	* K0632500
1440	*				*	* K0633000
1441	*				ROUTINE RETURNS TO MAIN COMMAND PROCESSOR BEFORE \$WAIT	* K0633500
1442	*				*	* K0634000
1443					*****	K0634500
1444	.Z				ANOP	K0635000
1445					AIF ('&TYPE' NE 'CALL').INL	K0635500
1446	&NAME				\$DECODE &OPERAND	K0636000
1447					B COFINVO REPLY INVALID OPERAND	K0636500
1448					MEXIT	K0637000
1449	.INL				ANOP	K0637500
1450					SPACE 10 R41	K0637800
1451					*****	K0637900
1452	*				* RETURN WITH INVALID OPERAND AS RESPONSE	* K0638000
1453					*****	K0638100
1454	&NAME				MVC COMJNAME,=CL8' ' INSURE FIELD AFTER BLANK R4	K0638500
1455					MVC COMMAND(9),&C R4	K0639000
1456					MVC COMMAND+9(16),=C' INVALID OPERAND' SET DIAGNOSTIC	K0639500
1457					\$CRET L=25,INFO=NO	K0640000
1458	.XIT				MEND	K0640500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1460	MACRO -- \$CFJDCT -- FIND JOB'S DCT	K0641500
				1461	&NAME \$CFJDCT &JOBQE=(R1),&TYPE=CALL,&INFO=NO,&CONT=	K0642000
				1462	GBLC &DOC	K0642500
				1463	LCLC &R	K0643000
				1464	&R SETC '&SYSNDX'	K0643500
				1465	AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0644000
				1466	AIF ('&TYPE' EQ 'RES').NOJECT	K0644500
				1467	EJECT	K0645000
				1468	.NOJECT SPACE 2	K0645500
				1469	*****	K0646000
				1470	*	* K0646500
				1471	* COFJDCT -- FIND DEVICE(S) ACTIVE WITH A SPECIFIED JOB	* K0647000
				1472	*	* K0647500
				1473	* ROUTINE COLLECTS DEVICE IDENTIFIERS FROM THE JOE (IF THE	* K0648000
				1474	* JOB IS ON A READER) OR FROM THE JOES (IF THE JOB IS ACTIVE	* K0650500
				1475	* IN HARD COPY).	* K0651000
				1476	*	* K0652000
				1477	* FORMAT OF THE DEVICE IDENTIFIER (2 BYTES) IS	* K0652500
				1478	* BYTE 1 -- HIGH ORDER BIT SIGNIFIES A REMOTE DEVICE	* K0653000
				1479	* BITS 1-3 INDICATE THE DEVICE TYPE	* K0653500
				1480	* 000 = INTERNAL READER	* K0654000
				1481	* 001 = READER	* K0654500
				1482	* 010 = PRINTER	* K0655000
				1483	* 011 = PUNCH	* K0655500
				1484	* BITS 4-7 INDICATE THE REMOTE DEVICE NUMBER (1-7) IF	* K0656000
				1485	* THE DEVICE IS A REMOTE OTHERWISE THEY ARE ZERO	* K0656500
				1486	*	* K0657000
				1487	* BYTE 2 -- IF A REMOTE -- THE REMOTE NUMBER (1-255)	* K0657500
				1488	* IF A LOCAL DEVICE THE LOCAL NUMBER (1-99)	* K0658000
				1489	*	* K0658500
				1490	* THE DEVICE IDENTIFIERS ARE MOVED INTO A TABLE ON THE FIRST	* K0659000
				1491	* ENTRY, SUBSEQUENT ENTRIES RETRIEVE OTHER DEVICE IDENTIFIERS	* K0659500
				1492	* THIS LINE DELETED BY APAR @OZ20010	K0660000
				1493	*	* K0660500
				1494	* REGISTERS USED -	* K0661000
				1495	* R1 = JOB QUEUE ELEMENT ADDRESS, ON EXIT DEVICE ID	* K0661500
				1496	* ADDRESS	* K0662000
				1497	* LINK = LINKAGE	* K0662500
				1498	* R15 = WORK	* K0663000
				1499	* WA = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0663500
				1500	* WB = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0664000
				1501	* WC = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0664500
				1502	* WD = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0665000
				1503	*	* K0665500
				1504	* WORK AREAS USED	* K0666000
				1505	* COMWREGS TO SAVE REGISTERS	* K0666500
				1506	* COMEWORK TO SAVE R1 -- JOE ADDRESS	* K0667000
				1507	*	* K0667500
				1508	* EXITS	* K0668000
				1509	* LINK+0 DCT NOT FOUND	* K0668500
				1510	* LINK+4 DCT FOUND	* K0669000
				1511	*	* K0669500
				1512	*****	K0670000
				1513	.Z ANOP	K0670500
				1514	&NAME \$DECODE &JOBQE	K0671000
				1515	AIF ('&TYPE' NE 'CALL').INL	K0671500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1516	.CAL BAL LINK,COFJDCT	FIND DCT PERFORMING JOB I/O K0672000
				1517	MEXIT	K0672500
				1518	.INL ST R1,COMWORK	SAVE JOE ADDRESS K0673000
				1519	MVI COFDEVID,0	CLEAR DEVICE ID K0673500
				1520	MVC COFDEVID+1(COFDEVLL-1),COFDEVID	SAVE AREA @OZ46473 K0674000
				1521	LA R15,COFDVEND	POINT TO LAST TABLE ENTRY K0674500
				1522	ST R15,COFDEVS	SAVE IT FOR LATER K0675000
				1523	CLI JQETYPE,\$INPUT	IS JOB ON RDR R4 K0675500
				1524	BNE COF&R.A	NO--SCAN JOES R4 K0676500
				1525	MVC COFDEVID(L'JQEFLAGS),JQEFLAGS	SET BUSY FLAG K0682000
				1526	NI COFDEVID,QUEBUSY	TURN 'OFF' NON-BUSY BITS K0682500
				1527	MVC COFDEVID+L'JQEFLAGS(L'JOEDEVID),JOEDEVID	SET DEVICE K0683000
				1528	B COF&R.F	EXIT K0683500
				1529	SPACE 1	K0684000
				1530	COF&R.A DS 0H	SCAN JOES K0684500
				1531	*	THIS LINE DELETED BY APAR @OZ20010 K0684600
				1532	*	THIS LINE DELETED BY APAR @OZ20010 K0684700
				1533	*	THIS LINE DELETED BY APAR @OZ20010 K0684800
				1534	*	THIS LINE DELETED BY APAR @OZ20010 K0684900
				1535	STM WA,WD,COMWREGS	SAVE REGISTERS K0685000
				1536	LA WD,COFDEVID	POINTO FIRST ADDRESS OF DEVID TBL K0685500
				1537	L WA,CDFJOT	POINT TO THE JOT K0686000
				1538	LA R1,JQEOJOE	PREPARE TO SCAN @OZ27300 K0686500
				1539	SH R1,=Y(JOEOJOE-JOEDSECT)	WORK JOES FOR THIS JOB @OZ27300 K0687000
				1540	SPACE 1	@OZ27300 K0687500
				1541	USING JOEDSECT,R1	PROVIDE JOE ADDRESSABILITY @OZ27300 K0688000
				1542		PRINT OFF - SECTION DELETED @OZ27300 K0688500
				1543	*	THIS LINE DELETED BY APAR @OZ27300 K0689000
				1544	*	THIS LINE DELETED BY APAR @OZ27300 K0689500
				1545	*	THIS LINE DELETED BY APAR @OZ27300 K0690000
				1546	*	THIS LINE DELETED BY APAR @OZ27300 K0690500
				1547		PRINT ON -- SECTION DELETED @OZ27300 K0691000
				1548	SPACE 1	@OZ27300 K0691500
				1549	COF&R.D DS 0H	JOE GET LOOP K0692000
				1550	*	THIS LINE DELETED BY APAR @OZ27300 K0692100
				1551	*	THIS LINE DELETED BY APAR @OZ27300 K0692200
				1552	LH R1,JOEOJOE	GET OFFSET OF NEXT JOE @OZ27300 K0692500
				1553	N R1,=A(X'0000FFFF')	INSURE OFFSET IS POSITIVE K0693000
				1554	BZ COF&R.E	EXIT IF END OF CHAIN @OZ27300 K0693500
				1555	SLL R1,2	EXPAND TO BYTE OFFSET R4 K0694000
				1556	ALR R1,WA	COMPUTE JOE ADDRESS K0694500
				1557		PRINT OFF - SECTION DELETED @OZ27300 K0695000
				1558	N R15,=X'0000FFFF'	CLEAR LEFT HALFWORD @OZ37385 K0695200
				1559	*	THIS LINE DELETED BY APAR @OZ27300 K0695500
				1560	*	THIS LINE DELETED BY APAR @OZ27300 K0696000
				1561	*	THIS LINE DELETED BY APAR @OZ27300 K0696500
				1562	*	THIS LINE DELETED BY APAR @OZ27300 K0697000
				1563		PRINT ON -- SECTION DELETED @OZ27300 K0697100
				1564	TM JOEFLAG,\$JOEBUSY	TEST FOR JOE TO BE BUSY K0697500
				1565	BZ COF&R.D	NO--GET NEXT JOE K0698000
				1566	MVC 0(L'JOEFLAG,WD),JOEFLAG	SAVE BUSY FLAGS K0698500
				1567	NI 0(WD),\$JOEBUSY	TURN 'OFF' NON-BUSY BITS K0699000
				1568	MVC L'JOEFLAG(L'JOEDEVID,WD),JOEDEVID	SET DEVICE ID K0699500
				1569	LA WD,L'JOEFLAG+L'JOEDEVID(,WD)	POINT TO NEXT FREE AREA K0700000
				1570	C WD,COFDEVS	CHECK FOR END OF TABLE K0700500
				1571	BNL COF&R.E	IF END EXIT JOE SCAN LOOP K0701000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1572	B COF&R.D ELSE SCAN ALL JOES	K0701500
				1573	COF&R.E DS 0H END OF JOE SCAN	K0702000
				1574	LM WA,WD,COMWREGS RESTORE REGISTERS	K0702500
				1575	COF&R.F LA R15,COFDEVID-(L'JQEFLAGS+L'JOEDEVID)	K0703000
				1576	ST R15,COFDEVSV SAVE IT FOR LATER	K0703500
				1577	&CONT DS 0H CONTINUE DEVICE SCAN	K0704000
				1578	L R1,COFDEVSV PICK-UP LAST DEVICE ADDRESS	K0704500
				1579	LA R1,L'JQEFLAGS+L'JOEDEVID(,R1) POINT TO NEXT DEVICE	K0705000
				1580	ST R1,COFDEVSV SAVE IT FOR NEXT TIME	K0705500
				1581	CLC 0(L'JQEFLAGS+L'JOEDEVID,R1),=XL3'00' CHK FOR END	K0706000
				1582	BER R14 YES RETURN--EMPTY	K0706500
				1583	B 4(,R14) NO--RETURN WITH DEV ADDR IN R1	K0707000
				1584	DROP R1 KILL JOE ADDRESSABILITY @OZ27300	K0707500
				1585	USING JQEDSECT,R1 REESTABLISH JOE ADDRESSABILITY	K0708000
				1586	COFDEVLL EQU (L'COMREGSV)*40 LENGTH OF SAVE AEA	K0708500
				1587	COFDEVL EQU COFDEVLL-L'JOEFLAG-L'JOEDEVID-4 LENGTH OF TABLE	K0709000
				1588	COFDEVID EQU COMREGSV,COFDEVL TABLE FOR ACTIVE DEVICES FOR AJOB	K0709500
				1589	COFDVEND EQU COFDEVID+COFDEVL LAST TABLE ENTRY	K0710000
				1590	COFDEVSV EQU COFDEVID+COFDEVL+L'JOEFLAG+L'JOEDEVID,4	K0710500
				1591	.XIT MEND	K0711000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
1593					MACRO -- \$CFJDCTC -- CONTINUE FIND JOB'S DCT	K0712000
1594	&NAME				\$CFJDCTC &INFO=NO	K0712500
1595					GBLC &DOC	K0713000
1596					LCLC &R	K0713500
1597	&R				SETC '&SYSNDX'	K0714000
1598					AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0714500
1599					EJECT	K0715000
1600					*****	K0715500
1601				*	*	* K0716000
1602				*	COFJDCTC -- CONTINUE FIND JOB'S DEVICE CONTROL TABLE	* K0716500
1603				*	*	* K0717000
1604				*	ROUTINE CONTINUES THE SEARCH OF DCTS STARTED BY COFJDCT	* K0717500
1605				*	BY USING THE BODY OF THAT ROUTINE. THE ENTRY POINT IN	* K0718000
1606				*	COFJDCT IS SET BY THE CONT= PARAMETER ON THE CALL OR	* K0718500
1607				*	SUBROUTINE VERSION OF THE ROUTINE.	* K0719000
1608				*	NO \$WAITS ARE ISSUED.	* K0719500
1609				*	*	* K0720000
1610	*				REGISTERS USED	* K0720500
1611	*				R1 = DCT ADDRESS	* K0721000
1612	*				LINK = LINKAGE	* K0721500
1613	*				R15 = WORK REGISTER	* K0722000
1614	*				*	* K0722500
1615	*				EXITS	* K0723000
1616	*				LINK+0 DCT NOT FOUND	* K0723500
1617	*				LINK+4 DCT FOUND	* K0724000
1618	*				*	* K0724500
1619	*				NOTES	* K0725000
1620	*				JOB QUEUE POINTER IN COMEWORK AS SET BY COFJDCT	* K0725500
1621	*				*	* K0726000
1622					*****	K0726500
1623	.Z				ANOP	K0727000
1624	&NAME				BAL LINK,COFJDCTC CONTINUE DCT SCAN	K0727500
1625	.XIT				MEND	K0728000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1627	MACRO -- \$CFJMSG -- COLLECT JOB INFORMATION FOR MESSAGE	K0729000
				1628	&NAME \$CFJMSG &JOBQE=(R1),&TYPE=CALL,&INFO=,&OPT=COFU,&AFF=	K0729500
				1629	GBLC &DOC	K0730000
				1630	AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K0730500
				1631	AIF ('&TYPE' EQ 'RES').NOJECT	K0731000
				1632	EJECT	K0731500
				1633	.NOJECT SPACE 2	K0732000
				1634	*****	K0732500
				1635	*	* K0733000
				1636	* COFJMSG -- JOB INFORMATION MESSAGE OUTPUT	* K0733500
				1637	*	* K0734000
				1638	* ROUTINE COLLECTS JOB INFORMATION INTO AREA 'COMMAND' AND	* K0734500
				1639	* INITIATES OUTPUT RESPONSE.	* K0735000
				1640	* \$WAIT MAY BE ISSUED.	* K0735500
				1641	*	* K0736000
				1642	* REGISTERS USED	* K0736500
				1643	* R0 = WORK - MESSAGE LENGTH	* K0737000
				1644	* R1 = JOB QUEUE ELEMENT ADDRESS - WORK - AREA 'COMMAND'	* K0737500
				1645	* WA = LINKAGE	* K0738000
				1646	* R10 = ENTRY BASE	* K0738500
				1647	* LINK = LINKAGE	* K0739000
				1648	* R15 = WORK	* K0739500
				1649	*	* K0740000
				1650	* EXITS	* K0740500
				1651	* WA+0 JOB DISPLAYED	* K0741000
				1652	* WA+4 JOB NOT DISPLAYED (CONDITIONAL REQUEST ONLY)	* K0741500
				1653	*	* K0742000
				1654	* NOTES	* K0742500
				1655	* COMDWORK USED FOR SCRATCH	* K0743000
				1656	* COMEWORK USED BY COFJDCT TO HOLD JQE POINTER	* K0743500
				1657	* COMFWORK USED FOR SCRATCH	* K0744000
				1658	* COMWREGS IS USED TO SAVE WORK REGISTERS	* K0744500
				1659	* OPT = COFU - DISPLAY UNCONDITIONAL	* K0745000
				1660	* = COFQ - DISPLAY QUEUED JOBS	* K0745500
				1661	* = COFA - DISPLAY ACTIVE JOBS	* K0746000
				1662	* = (OTHER MEANINGFUL CONSISTANT COMBINATIONS)	* K0746500
				1663	*	* K0747000
				1664	*****	K0747500
				1665	.Z ANOP	K0748000
				1666	&NAME \$DECODE &JOBQE	K0748500
				1667	AIF ('&TYPE' NE 'CALL').INL	K0749000
				1668	AIF ('&OPT' EQ 'SET').A	K0749500
				1669	MVI COFOPT,&OPT SET OPTION	K0750000
				1670	.A ANOP	K0750500
				1671	AIF ('&AFF' EQ 'SET').B	K0751000
				1672	MVI COFAFF,X'7F' SET FOR ALL SYSTEMS ACTIVE	K0751500
				1673	.B ANOP	K0752000
				1674	L R10,=A(COFJMSG) POINT TO SERVICE ROUTINE R4	K0752500
				1675	BALR WA,R10 CALL JOB INFORMATION MSG ROUTINE R4	K0753000
				1676	MEXIT	K0753500
				1677	.INL ANOP	K0754000
				1678	EJECT	K0754500
				1679	*****	K0754900
				1680	* DEFINITIONS FOR JOB INFORMATION MESSAGE	* K0755000
				1681	*****	K0755100
				1682	SPACE 2	K0755500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1683	COFN EQU X'01'	DISPLAY NORMAL JOBS K0756000
				1684	COFS EQU X'02'	DISPLAY SYSTEM JOBS K0756500
				1685	COFT EQU X'04'	DISPLAY LOGON JOBS K0757000
				1686	COFJ EQU COFN+COFS+COFT	DISPLAY ALL JOBS K0757500
				1687	COFX EQU X'08'	DISPLAY JOBS IN EXECUTION K0758000
				1688	COFD EQU X'10'	DISPLAY JOBS ON DEVICES K0758500
				1689	COFA EQU COFJ+COFX+COFD	DISPLAY ACTIVE JOBS K0759000
				1690	COFI EQU X'20'	DISPLAY PRE-XEQ QUEUED JOBS K0759500
				1691	COFO EQU X'40'	DISPLAY POST-XEQ QUEUED JOBS K0760000
				1692	COFP EQU X'80'	DISPLAY QUEUED FOR PRT/PUN K0760500
				1693	COFQ EQU COFJ+COFI+COFO+COFP	DISPLAY QUEUED JOBS K0761000
				1694	COFU EQU COFJ+COFI+COFO+COFX+COFP+COFD	DISPLAY UNCONDITIONAL K0761500
				1695	SPACE 2	K0762000
				1696	COFJOB EQU COMMAND,3	TEXT 'JOB', 'STC', OR 'TSU' K0762500
				1697	COFJNO EQU COFJOB+3,5	JOB NUMBER WITH LEADING BLANK K0763000
				1698	COFJNAME EQU COFJNO+6,8	JOB NAME K0763500
				1699	COFQUE EQU COFJNAME+9,8	TEXT 'AWAITING' K0764000
				1700	COFQX EQU COFQUE+9,9	TEXT 'EXECUTION' K0764500
				1701	COFQXC EQU COFQX+10,1	CLASS K0765000
				1702	COFQXU EQU COFQX,11	TEXT 'EXECUTION *' K0765500
				1703	COFPRT EQU COFQUE,3	TEST 'PRT' R4 K0768000
				1704	COFPRTR EQU COFPRT+3,10	PRINT ROUTING R4 K0769000
				1705	COFPUN EQU COFPRT+13,3	TEXT 'PUN' R4 K0769500
				1706	COFPUNR EQU COFPUN+3,10	PUNCH ROUTING R4 K0770000
				1707	COFQOUT EQU COFQX,6	TEST 'OUTPUT' K0773000
				1708	COFPURGE EQU COFQX,5	TEXT 'PURGE' K0773500
				1709	COFPRIO EQU COFPUNR+10,4	TEXT 'PRIO' R4 K0774000
				1710	COFPRI EQU COFPRIO+5,2	PRIORITY K0774500
				1711	COFFLAGS EQU COFPRI+3,9	'HOLD', 'PURGE', 'DUPLICATE' K0775000
				1712	COFSID EQU COFFLAGS+10,4	FIRST SID NAME R4 K0775500
				1713	COFSIDX EQU COFSID+5,24	REST OF SID'S K0776000
				1714	COFINDP EQU COFSIDX+25,3	DESIGNATOR FOR INDEPENDENT MODE K0776500
				1715	COFSEC EQU COFINDP+3,2	SECURITY FIELD FOR \$WTO'S K0777000
				1716	COFOPT EQU COFSEC+2,1	OPTIOM SPECIFIED K0777500
				1717	COFAFF EQU COFOPT+1,1	ACTIVE SID WHEN SPECIFIED K0778000
				1718	COFLNGTH EQU COFAFF+1,1	LENGTH OF MESSAGES K0779000
				1719	COFAX EQU COFQUE,9	TEXT 'EXECUTING' K0781000
				1720	COFAXC EQU COFAX+10,1	CLASS WHEN EXECUTING K0781500
				1721	COFON EQU COFAX,2	TEXT 'ON' K0782000
				1722	COFDEV EQU COFAX+3,8	TEXT DEVICE NAME K0782500
				1723	COFAXT EQU COFDEV+9,COFSEC-COFPRI	ACTIVE JOB MSG TRAILER K0783000
				1724	COFQOT EQU COFQOUT+7,COFSEC-COFPRI	QUEUED FOR OUTPUT TRAILER K0783500
				1725	COFQPT EQU COFPURGE+6,COFSEC-COFPRI	QUEUED FOR PURGE TRAILER K0784000
				1726	COFAXL EQU COFPRI-(COFDEV+9)	LENGTH TO SUBTRACT FOR ACTIVE MSG K0784500
				1727	COFQOL EQU COFPRI-(COFQOUT+7)	LNG TO SUBTRACT FOR Q'S FOR OUT K0785000
				1728	COFQPL EQU COFPRI-(COFPURGE+6)	LNG TO SUBTRACT FOR Q'S FOR PG K0785500
				1729	EJECT	K0786000
				1730	USING *,R10	ESTABLISH ROUTINE ADDRESSABILITY R4 K0786500
				1731	LH R0,JQEJOBNO	GET JOB NUMBER @OZ29819 K0786510
				1732	LA R15,COFT	ASSUME TSU @OZ29819 K0786550
				1733	CH R0,=H'20000'	TSU JOB... @OZ29819 K0786560
				1734	BH *+8	BR IF YES @OZ29819 K0786570
				1735	LA R15,COFS	ASSUME STC @OZ29819 K0786580
				1736	CH R0,=H'10000'	STC JOB... @OZ29819 K0786590
				1737	BH *+8	BR IF YES OR TSU JOB @OZ29819 K0786600
				1738	LA R15,COFN	MUST BE BATCH JOB @OZ29819 K0786610

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
1739				EX	R15,COFJBTST	DO WE WANT THIS JOB...	@OZ29819 K0786620
1740				BZ	4(,WA)	EXIT NO DISPLAY IF NO	@OZ29819 K0786630
1741					*****		K0786900
1742				*	DETERMINE STATUS OF JOB		* K0787000
1743					*****		K0787100
1744				TM	JQETYPE,\$XEQ	EXECUTION OR CONVERT QUEUE	K0787500
1745				BZ	COFJMT	BRANCH IF NOT	R4 K0788000
1746				CLI	JQETYPE,\$XEQ	TEST FOR CONVERTER	K0788500
1747				BNE	COFJMX	NO--TRY FOR EXECUTION	K0789000
1748					*****		K0789400
1749				*	JOB IN CONVERSION QUEUE		* K0789500
1750					*****		K0789600
1751				TM	COFOPT,COFI	CALLER WANT PRE-EXECUTION	K0790000
1752				BZ	4(0,WA)	EXIT NO DISPLAY	K0790500
1753				BAL	R15,COFJMB	CREATE BASIC MESSAGE	K0791000
1754				BAL	R0,COFJMAFQ	ADD SYS NAMES--RETURN ON R15	K0791500
1755				MVC	COFQUE,=C'AWAITING'	SET	K0792000
1756				MVC	COFQXU,=C'EXECUTION'	*' TEXT	K0792500
1757				B	COFQMADS	DISPLAY AND EXIT	K0793000
1758	COFJBTST			TM	COFOPT,*-*	*** EXECUTE ONLY ***	@OZ29819 K0793100
1759					*****		K0793400
1760				*	JOB IN EXECUTION QUEUE - COULD HAVE SOME SPINS IN OUTPUT		* K0793500
1761					*****		K0793600
1762	COFJMX			TM	JQEFLAGS,QUEBUSY	TEST FOR ACTIVE	K0794000
1763				BZ	COFJMQX	BR IF NOT	K0794500
1764				TM	COFOPT,COFX	CALLER WANT EXECUTION	K0795000
1765				BZ	COFJMD	TRY DEVICE	K0795500
1766				IC	R0,JQEFLAGS	PICK-UP BUSY FLAG	K0796000
1767				N	R0,=A(QUEBUSY)	TURN 'OFF' ALL BUT BUSY FLGS	K0796500
1768				LA	R15,1	ASSUME 1ST SYSTEM DESIRED	K0797000
1769				B	*+8	ENTER BUSY FLAG CONVERT LOOP	K0797500
1770				SLL	R15,1	ASSUME NXT SYS IF ONE DESIRD	K0798000
1771				BCT	R0,*-4	LOOP TILL SYSTEM FOUND	K0798500
1772				EX	R15,COFAFFTS	TEST JOB BUSY ON DESIRED SYS	K0799000
1773				BZ	COFJMD	NO--TRY BUSY ON A DEVICE	K0799500
1774				BAL	R15,COFJMB	CREATE BASIC MESSAGE	K0800000
1775				IC	R15,JQEFLAGS	PICK-UP ACTIVE BIT	K0800500
1776				BAL	R0,COFJMAFA	GET SYS NAME-RETURN ON R15	K0801000
1777				MVC	COFAXT,COFPRIO	MOVE MSG FOR ACTIVE IN XEQ	K0801500
1778				MVC	COFAX,=C'EXECUTING'	SET	K0802000
1779				MVC	COFAXC,JQETYPE	NORMAL TEXT	K0802500
1780				OI	COFAXC,X'80'	MAKE XEQ CLASS PRINTABLE	K0803000
1781				CLI	COFJOB,C'J'	TEST FOR NORMAL	K0803500
1782				BE	COFJMDAX	DISPLAY IF YES	K0804000
1783				MVI	COFAXC,CATTSUID	SET TSU DISPLAY CLASS	K0804500
1784				CLI	COFJOB,C'T'	IS THIS TSU	K0805000
1785				BE	COFJMDAX	DISPLAY IF YES	K0805500
1786				MVI	COFAXC,CATSTCID	SET STC DISPLAY CLASS	K0806000
1787	COFJMDAX			DS	0H		K0806500
1788				MVC	COFSEC,JQEJOBNO	COPY JOB NUMBER	K0807000
1789				SLR	R15,R15	ZERO INSERT REGISTER	K0808000
1790				IC	R15,COFLNGTH	PICK-UP CURRENT LENGTH	K0808500
1791				LA	R0,COFAXL	PICK-UP LENGTH TO SHORTEN MSG BY	K0809000
1792				SLR	R15,R0	COMPUTE RESIDUAL LENGTH	K0809500
1793				STC	R15,COFLNGTH	SAVE NEW LENGTH FOR \$WTO	K0810000
1794				BAL	R14,COFJWTO	ISSUE WTO	K0813500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1795	EJECT	R41 K0813900
				1796	COFJMDXC DS 0H	K0814000
				1797	TM COFOPT,COFD	DOES USER WANT 'ON DEVICE' K0814500
				1798	BZR WA	EXIT K0815000
				1799	CLC JQEJOE,\$ZEROS	ARE THERE ANY SPINS... @OZ27300 K0815500
				1800	BZR WA	EXIT K0816000
				1801	CLC JQEJOBNO,COFSEC	SAME JOB NUMBER K0816500
				1802	BNER WA	EXIT K0817000
				1803	\$CFJDCT ,	SCAN FOR DEVICE ACTIVITY K0817500
				1804	B 0(,WA)	RETURN IF NONE K0818000
				1805	B COFDEVCR	ENTER DEVICE CREATE RTN K0818500
				1806	*****	K0819000
				1807	* JOB AWAITING EXECUTION	* K0819500
				1808	*****	K0819600
				1809	COFJMQX TM COFOPT,COFI	CALLER WANT PRE-EXECUTION K0820000
				1810	BZ COFJMD	TRY DEVICE K0820500
				1811	BAL R15,COFJMB	CREATE BASIC MESSAGE K0821000
				1812	BAL R0,COFJMAFQ	ADD SYS NAME(S)-RET ON R15 K0821500
				1813	MVC COFQUE,=C'AWAITING'	SET K0822000
				1814	MVC COFQX,=C'EXECUTION *'	TEXT K0822500
				1815	MVC COFQXC,JQETYPE	SET NORMAL CLASS K0823000
				1816	OI COFQXC,X'80'	MAKE DISPLAYABLE K0823500
				1817	CLI COFJOB,C'J'	TEST FOR NORMAL K0824000
				1818	BE COFJMDQX	DISPLAY IF YES K0824500
				1819	MVI COFQXC,CATTSUID	SET TSU DISPLAY CLASS K0825000
				1820	CLI COFJOB,C'T'	IS THIS TSU K0825500
				1821	BE COFJMDQX	DISPLAY IF YES K0826000
				1822	MVI COFQXC,CATSTCID	SET STC DISPLAY CLASS K0826500
				1823	COFJMDQX DS 0H	ISSUE QUEUED FOR XEQ MESSAGE K0827000
				1824	MVC COFSEC,JQEJOBNO	COPY JOB NUMBER K0827500
				1825	BAL R14,COFJWTO	ISSUE MESSAGE K0828000
				1826	B COFJMDXC	CONTINUE DEVICE SCAN K0828500
				1827	COFJMT DS 0H	R4 K0829000
				1828	EJECT	R41 K0837800
				1829	*****	K0837900
				1830	* SEARCH FOR DEVICE ACTIVITY	* K0838000
				1831	*****	K0838100
				1832	COFJMD ST R1,COMWORK	SAVE JQE ADDRESS @OZ29819 K0838500
				1833	TM COFOPT,COFD	CALLER WANT 'ON DEVICE'... @OZ29819 K0839000
				1834	BZ COFJMZO	BR IF NO @OZ29819 K0839500
				1835	\$CFJDCT ,	LOCATE ACTIVE DCT FOR JOB @OZ29819 K0840000
				1836	B COFJMZO	BR IF NO ACTIVE DEVICE +0 @OZ29819 K0840500
				1837	COFDEVCT LA R14,COFJMDCC	POINT TO EXIT ROUTINE +4 @OZ29819 K0841000
				1838	B COFJOIN	AND ENTER EXAMINATION RTN K0841500
				1839	COFDEVCR DS 0H	DETERMINE JOB ON ACTIVE SYS K0842000
				1840	LA R14,COFJMDC	POINT TO EXIT ROUTINE K0842500
				1841	COFJOIN DS 0H	JOB ACTIVE EXAM RTN K0843000
				1842	IC R0,0(,R1)	PICK UP ACTIVE FLAG K0843500
				1843	N R0,=A(QUEBUSY)	TURN 'OFF' ALL BUT BUSY FLAG K0844000
				1844	LA R15,1	ASSUME 1ST SYSTEM IS DESIRED K0844500
				1845	B *+8	ENTER CONVERT LOOP K0845000
				1846	SLL R15,1	ASSUME NEXT SYSTEM DESIRED K0845500
				1847	BCT R0,*-4	LOOP TILL SYSTEM FOUND K0846000
				1848	EX R15,COFAFFTS	ACTIVE JOB ON DESIRED SYSTEM... R4 K0846500
				1849	BZR R14	NO--ENTEER DESIRED ROUTINE K0847000
				1850	ST R1,COMFWORK	SAVE ADDRESS FOR LATER K0847500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				1851	L R1,COMWORK	RESTORE JQE POINTER K0848000
				1852	BAL R15,COFJMB	CREATE BASIC MESSAGE K0848500
				1853	ST R1,COMWORK	SAVE JQE POINTER AGAIN K0849000
				1854	L R1,COMFWORK	RESTORE R1 CONTENTS K0849500
				1855	IC R15,0(,R1)	PICK-UP ACTIVE SYS BIT K0850000
				1856	BAL R0,COFJMAFA	ADD SYS NAME--RET ON R15 K0850500
				1857	MVC COFON,=C'ON'	SET JOBNAME 'ON' DEVICE NAME K0851000
				1858	TM 1(R1),DCTRMTID	RJE R4 K0852000
				1859	BNZ COFRMDEV	DO REMOTE CONVERSION IF YES R4 K0854000
				1860	CLI 1(R1),X'0F'	TEST FOR PSO JOE @OZ30706 K0854200
				1861	BE COFPSO	YES-INSERT PSO ID @OZ30706 K0854400
				1862	SLR R15,R15	ZERO INSERT REGISTER K0854500
				1863	IC R15,1(,R1)	PICKUP DEVICE FLAGS K0855000
				1864	SRL R15,4	SHIFT TO LOW 4 BITS OF REG K0855500
				1865	MH R15,=Y(COFDEVTL)	MULTIPLY BY ELEMENT LENGTH K0856000
				1866	AL R15,=A(COFDEVTB)	POINT TO CORRECT ENTRY K0856500
				1867	MVC COFDEV,1(R15)	FILL IN DEVICE NAME K0857000
				1868	CLI 0(R15),0	TEST FOR INTERNAL READER K0857500
				1869	BE COFDEVND	YES-SKIP NEXT PORTION OF NAME BLD K0858000
				1870	SLR R0,R0	ZERO INSERT REGISTER K0858500
				1871	IC R0,2(,R1)	PICK-UP DEVICE NUMBER K0859000
				1872	CVD R0,COMDWORK	CONVERT TO PACKED NUMBER K0859500
				1873	IC R0,0(,R15)	PICK-UP LENGTH OF DEVICE NAME K0860000
				1874	LA R14,COFDEV	PT TO BEGINNING OF NAME K0860500
				1875	ALR R14,R0	COMPUTE POSITION FOR DEVICE NBR K0861000
				1876	MVC 1(3,R14),=X'202020'	PUT MASK INTO AREA K0861500
				1877	EDMK 0(4,R14),COMDWORK+6	SET EBCDIC NBR INTO DEVICE NAME K0862000
				1878	MVC 0(4,R14),0(R1)	PUT 1ST TWO DIGITS IN NO. FIELD K0862500
				1879	B COFDEVND	AND EXIT DEVICE NAME RTN K0863000
	COFPSO			1880	DS 0H	@OZ30706 K0863100
				1881	MVC COFDEV,=C'PRSYSOUT'	FILL IN DEVICE NAME @OZ30706 K0863200
				1882	B COFDEVND	AND EXIT DEVICE NAME RTN @OZ30706 K0863300
				1883	EJECT	R41 K0863400
	COFRMDEV			1884	DS 0H	DEVICE IS A REMOTE K0863500
				1885	SLR R0,R0	ZERO INSERT REGISTER K0864000
				1886	IC R0,2(,R1)	PICK-UP REMOTE NUMBER K0864500
				1887	CVD R0,COMDWORK	CONVERT TO PACKED DECIMAL K0865000
				1888	MVI COFDEV,C'R'	SET REMOTE IDENTIFIER K0868000
				1889	MVC COFDEV+2(4),=X'2020204B'	SET MASK AND '.' R4 K0868500
				1890	LR R14,R1	SAVE POINTER TO DEVICE NAME K0869000
				1891	EDMK COFDEV+1(4),COMDWORK+6	SET EBCDIC REMOTE NO. IN MSG K0869500
				1892	MVC COFDEV+1(4),0(R1)	MOVE REMOTE NBR AND CONCATENATOR K0870000
				1893	LA R1,COFDEV+1	1ST BYTE BEFORE CONCATENATORS K0870500
				1894	LA R1,1(,R1)	PT TO NEXT BYTE K0871000
				1895	CLI 0(R1),C'.'	CHECK FOR CONCATENATOR K0871500
				1896	BNE *-8	NO--LOOP TILL FOUND K0872000
				1897	SLR R15,R15	ZERO INSERT REGISTER K0872500
				1898	IC R15,1(,R14)	PICK-UP DEVICE TYPE AND NUMBER K0873000
				1899	SRL R15,4	ISOLATE DEVICE TYPE K0873500
				1900	ALR R15,R15	TIMES ELEMENT LENGTH K0874000
				1901	LA R15,COFRMDVT-DCTRMTID/8(R15)	R4 K0875000
				1902	MVC 1(2,R1),0(R15)	SET DEVICE TYPE IN NAME K0877000
				1903	MVC 3(1,R1),1(R14)	SET DEVICE NUMBER K0877500
				1904	OI 3(R1),C'0'	MAKE EBCDIC PRINTABLE K0878000
	COFDEVND			1905	DS 0H	EXIT DEVICE NAME CREATE NAME RTN K0878500
				1906	MVC COFAXT,COFPRIO	MOVE MESSAGE DOWN K0879000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
1907				LA	R1,COFAXL	PICK-UP LENGTH TO SUBTRACT	K0879500
1908				SLR	R15,R15	ZERO INSERT REGISTER	K0880500
1909				IC	R15,COFLNGTH	PICK-UP CURRENT LENGTH	K0881000
1910				SLR	R15,R1	COMPUTE NEW LENGTH	K0881500
1911				STC	R15,COFLNGTH	SAVE NEW LENGTH	K0882000
1912				L	R1,COMWORK	RESTORE JQE POINTER	K0885000
1913				MVC	COFSEC,JQEJOBNO	SET SECURITY NUMBER	K0885500
1914				BAL	R14,COFJWTO	ISSUE MESSAGE	K0886000
1915				CLC	COFSEC,JQEJOBNO	CHECK FOR INTEGRITY	K0886500
1916				BNER	WA	RETUEN IF NOT SECURE	K0887000
1917	COFJMDC			\$CFJDCTC	,	CONTINUE DCT SCAN	K0887500
1918				B	0(,WA)	RETURN IF NO MORE	K0888000
1919				B	COFDEVCR	AND ENTER DEVICE NAME RTN	K0888500
1920	COFJMDCC			\$CFJDCTC	,	CONTINUE DCT SCAN	K0889000
1921				B	COFJMCO	IF NONE, LOOK FOR QUE FOR OUTPUT	K0889500
1922				B	COFDEVCT	AND CONTINUE	K0890000
1923				SPACE	2		R41 K0890400
1924	COFAFFTS			TM	COFAFF,*-*	**** EXECUTE ONLY ****	K0890500
1925				EJECT			K0891000
1926					*****		K0891400
1927	*				JOB QUEUED FOR OUTPUT		* K0891500
1928					*****		K0891600
1929				SPACE	1		K0892000
1930	COFJMCO			L	R1,COMWORK	RESTORE JQE POINTER	K0892500
1931				TM	COFOPT,COFO	TEST FOR OUTPUT QUEUED	K0893000
1932				BZ	COFJMOPP	NO--TEST FOR PRINT PUNCH	K0893500
1933				TM	JQETYPE,\$OUTPUT	TEST FOR IN OUTPUT PHASE	K0894000
1934				BZ	COFJMOPP	NO--PRT/PUN	K0894500
1935				TM	JQEFLAGS,QUEBUSY	TEST FOR BUSY	K0895000
1936				BNZ	COFJMOPA	DISPLAY AWAITING PRT/PUN IF YES	R4 K0895500
1937				BAL	R15,COFJMB	BULID BASIC MESSAGE	K0896000
1938				BAL	R0,COFJMAFQ	GET SYS NAMES--RET ON R15	K0896500
1939				MVC	COFQUE,=C'AWAITING'	SET AWAITING IN TEXT	K0897000
1940				MVC	COFQOUT,=C'OUTPUT'	SET QUEUED FOR 'OUTPUT'	K0897500
1941				MVC	COFQOT,COFPRIO	MOVE MESSAGE FOR Q'D FOR OUTPUT	K0898000
1942				SLR	R15,R15	ZERO INSERT REGISTER	K0899000
1943				IC	R15,COFLNGTH	PICK-UP CURRENT LENGTH	K0899500
1944				LA	R0,COFQOL	PICK-UP LENGTH TO SHORTEN MSG BY	K0900000
1945				SLR	R15,R0	COMPUTE RESIDUAL LENGTH	K0900500
1946				STC	R15,COFLNGTH	SAVE NEW MSG LENGTH	K0901000
1947				B	COFQMADS	AND SEND MESSAGE	K0904500
1948				SPACE	2		K0905000
1949					*****		K0905400
1950	*				TEST FOR JOB ON PRINT/PUNCH QUEUE		* K0905500
1951					*****		K0905600
1952	COFJMOPP			TM	JQETYPE,\$HARDCPY	TEST FOR QUEUED FOR HARD COPY	R41 K0906000
1953				BZ	COFJMOPG	NO--TRY QUEUED FOR PURGE	K0906500
1954	COFJMOPA			TM	COFOPT,COFP	TEST FOR PRINT / PUNCH QUEUING	R4 K0907000
1955				BZ	COFJMOPG	TRY PURGE IF NOT	R4 K0907500
1956				BAL	R15,COFJMB	CREATE BASIC MESSAGE	K0908000
1957				MVC	COFPRT,=C'PRT'	SET QUEUE	R4 K0908500
1958				MVC	COFPUN,=C'PUN'	IDENTIFIERS	R4 K0909000
1959				LA	R0,COFPRTR	POINT TO RECEIVE AREA	R4 K0909500
1960				LA	R15,JQEPRTTR	POINT TO PRINT ROUTE FIELD	R4 K0910000
1961				BAL	R14,COFRTC	CONVERT TO PRINTABLE	R4 K0910500
1962				LA	R0,COFPUNR	POINT TO RECEIVE AREA	R4 K0911000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
1963				LA	R15,JQEPUNRT	POINT TO PUNCH ROUTE FIELD R4 K0911500
1964				BAL	R14,COFRTC	CONVERT TO PRINTABLE R4 K0912000
1965				SLR	R15,R15	ZERO INSERT REGISTER K0913000
1966				IC	R15,COFLNGTH	PICK-UP LENGTH OF MSG K0913500
1967				LA	R14,COFJOB(R15)	POINT TO THE NEXT AVAILABLE BYTE K0914000
1968				MVC	0(3,R14),=C'ANY'	SET AFFINITY TO 'ANY' K0914500
1969				LA	R15,3(,R15)	COMPUTE NEW MESSAGE LENGTH K0915000
1970				STC	R15,COFLNGTH	AND SVAE NEW LENGTH K0915500
1971				B	COFQMADS	AND SEND COMPLETED MESSAGE K0919500
1972				EJECT		R41 K0919800
1973					*****	K0919900
1974	*				TEST FOR JOB ON PURGE QUEUE	* K0920000
1975					*****	K0920100
1976	COFJMQPG	CLI		JQETYPE,\$PURGE	ON PURGE QUEUE	R41 K0920500
1977		BNE		4(,WA)	RETURN NO DISPLAY	R4 K0921000
1978		TM		COFOPT,COFQ	TEST FOR JOB QUEUED TO 'ANYTHING'	K0921500
1979		BNO		4(,WA)	NO -- EXIT NO DISPLAY +4	K0922000
1980		BAL		R15,COFJMB	CREATE MESSAGE PROTOTYPE	K0922500
1981		BAL		R0,COFJMAFQ	GET SYS NAMES -- RET ON R15	K0923000
1982		MVC		COFQUE,=C'AWAITING'	SET 'AWAITING' FOR PURGE	K0923500
1983		MVC		COFPURGE,=C'PURGE'	SET FOR 'PURGE' PROCESSOR	K0924000
1984		MVC		COFQPT,COFPRIO	ADJUST MESSAGE FOR PURGE	K0924500
1985		SLR		R15,R15	ZERO INSERT REGISTER	K0925500
1986		IC		R15,COFLNGTH	PICK-UP CURRENT ENGTH	K0926000
1987		LA		R0,COFQPL	PICK-UP LENGTH TO SHORTEN MSG BY	K0926500
1988		SLR		R15,R0	COMPUTE RESIDUAL LENGTH	K0927000
1989		STC		R15,COFLNGTH	AND SAVE IT FOR \$WTO	K0927500
1990	COFQMADS	DS		0H	EXIT WITH FINAL MESSAGE	K0931000
1991		BAL		R14,COFJWTO	SEND MESSAGE	K0931500
1992		BR		WA	AND RETURN +0	K0932000
1993					*****	K0932400
1994	*				SUBROUTINE TO BUILD BASIC JOB INFORMATION MESSAGE	* K0932500
1995					*****	K0932600
1996	COFJMB	LH		R0,JQEJOBNO	PICK UP JOB NUMBER	K0933000
1997		CH		R0,=H'10000'	TEST FOR 'JOB'	K0936000
1998		BNL		COFJMNJ	IF NOT TRY 'STC' OR 'TSU'	K0936500
1999	*				THIS LINE DELETED BY APAR NUMBER	@OZ29819 K0937000
2000	*				THIS LINE DELETED BY APAR NUMBER	@OZ29819 K0937500
2001		MVC		COFJOB,=C'JOB'	SET 'JOB'	K0938000
2002		B		COFJMBA	CONTINUE	K0938500
2003	COFJMNJ	SH		R0,=H'20000'	SEPARATE	K0939000
2004		BL		COFJMNT	'STC' FROM 'TSU'	K0939500
2005	*				THIS LINE DELETED BY APAR NUMBER	@OZ29819 K0940000
2006	*				THIS LINE DELETED BY APAR NUMBER	@OZ29819 K0940500
2007		MVC		COFJOB,=C'TSU'	SET 'TSU'	K0941000
2008		B		COFJMBA	CONTINUE	K0941500
2009	*				THIS LINE DELETED BY APAR NUMBER	@OZ29819 K0942000
2010	COFJMNT	DS		0H		@OZ29819 K0942500
2011		MVC		COFJOB,=C'STC'	SET 'STC'	K0943000
2012		AH		R0,=H'10000'	GET BASE	K0943500
2013		EJECT				R41 K0943900
2014	COFJMBA	\$CFCVE		,	CONVERT TO EBCDIC	K0944000
2015		MVC		COFJNO,COMDWORK	SET INTO MESSAGE	K0944500
2016		MVI		COFJNAME-1,C' '	BLANK OUT REST OF MESSAGE AREA	K0945000
2017		MVC		COFJNAME(COFSEC-COFJNAME),COFJNAME-1		K0945500
2018		MVC		COFJNAME,JQEJNAME	MOVE JOB NAME	K0946000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2019	MVC COFPRI,=C'PRIO' SET 'PRIO'	K0946500
				2020	SLR R0,R0 ZERO PRIORITY	K0947000
				2021	IC R0,JQEPRIO PICK UP PRIORITY * 16	K0947500
				2022	SRA R0,4 DIVIDE BY 16	K0948000
				2023	\$CFCVE , CONVERT TO EBCDIC	K0948500
				2024	MVC COFPRI,COMDWORK+5-L'COFPRI MOVE PRIORITY	K0949000
				2025	LR R0,R15 SAVE LINK REGISTER	K0949500
				2026	LA R15,COFFLAGS SET ADDRESS OF NEXT MESSAGE AREA	K0950000
				2027	TM JQEFLAGS,QUEHOLDA+QUEHOLD1+QUEHOLD2+QUEPURGE+QUEOPCAN	K0950500
				2028 *	TEST FOR ANY JOB FLAGS	K0951000
				2029	BZ COFJMBB NONE--FILL IN THE AFFINITIES	K0951500
				2030	MVC COFFLAGS(4),=C'HOLD' ASSUME JOB IS HELD	K0952000
				2031	LA R15,5(,R15) PT TO NEXT AVAILABLE MSG AREA	K0952500
				2032	TM JQEFLAGS,QUEHOLDA+QUEHOLD1 TEST FOR 'HELD'	K0953000
				2033	BNZ COFJMBB IF HELD--GO TO AFFINITIES FILL-IN	K0953500
				2034	MVC COFFLAGS(5),=C'PURGE' ASSUME PURGE	K0954000
				2035	LA R15,1(,R15) PT TO NEXT AVAILABLE MSG AREA	K0954500
				2036	TM JQEFLAGS,QUEPURGE TEST FOR SAME	K0955000
				2037	BO COFJMBB YES--FILL-IN AFFINITIES	K0955500
				2038	MVC COFFLAGS(6),=C'CANCEL' ASSUME 'CANCELLED'	K0956000
				2039	LA R15,1(,R15) PT TO NEXT AVAILABLE MSG AREA	K0956500
				2040	TM JQEFLAGS,QUEOPCAN TEST FOR CANCELLED	K0957000
				2041	BO COFJMBB YES--FILL-IN AFFINITIES	K0957500
				2042	MVC COFFLAGS,=C'DUPLICATE' MUST BE DUPLICATE JOB NAME	K0958000
				2043	LA R15,3(,R15) PT TO NEXT AVAILABLE MSG BYTE	K0958500
	COFJMBB			2044	DS 0H COMPLETE MESSAGE BODY AND SVAE LN	K0959000
				2045	LA R14,COFJOB GET ADDRESS OF MSG BEGINNING	K0959500
				2046	SLR R15,R14 COMPUTE MESSAGE LENGTH	K0960000
				2047	STC R15,COFLNGTH SAVE LENGTH	K0961000
				2048	LR R15,R0 RESTORE LINK REGISTER	K0963000
				2049	BR R15 AND RETURN	K0963500
				2050	EJECT R41	K0964000
				2051	*****	K0964400
				2052 *	ADD ACTIVE SYSTEM NAME *	K0964500
				2053	*****	K0964600
				2054	SPACE 1	K0965000
	COFJMAFA			2055	DS 0H PICK-UP AFFINITY IN R15 FOR NAME	K0965500
				2056	N R15,=A(QUEBUSY) TURN OFF NON-BUSY BITS	K0966000
				2057	BCTR R15,0 LESS ONE FOR DISPLACEMENT	K0966500
				2058	MH R15,=AL2(QSELEN) TIMES ELEMENT SIZE @OZ27300	K0967000
				2059	AL R15,\$QSE1 PLUS TABLE START ADDR R4	K0967500
				2060	USING QSESECT,R15 QSE ADDRESSABILITY	K0968000
				2061	SLR R14,R14 ZERO INSERT REGISTER	K0969000
				2062	IC R14,COFLNGTH PICK-UP CURRENT MSG LENGTH	K0969500
				2063	LA R14,COFJOB(R14) PT TO CURRENT MSG END	K0971500
				2064	MVC 0(L'QSESID,R14),QSESID PUT SYSTEM NAME IN MESSAGE	K0972000
				2065	LA R15,COFJOB PT TO MSG BEGINNING	K0972500
				2066	LA R14,L'QSESID(,R14) PT TO MSG ENDING	K0973000
				2067	SLR R14,R15 COMPUTE NEW LENGTH	K0973500
				2068	STC R14,COFLNGTH SAVE NEW LENFTH FOR \$WTO	K0974500
				2069	LR R15,R0 GET GOOD RETURN REGISTER	K0976500
				2070	BR R15 AND RETURN TO CALLER	K0977000
				2071	DROP R15 DROP QSE ADDRESSABILITY	K0977500
				2072	EJECT R41	K0978000
				2073	*****	K0978400
				2074 *	ADD QUEUED SYSTEM NAMES TO MESSAGE *	K0978500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
2075					*****	K0978600
2076					SPACE 1	K0979000
2077	COFJMAFQ	DS	0H		ADD QUEUED NAMES	K0979500
2078		SLR	R15,R15		ZERO INSERT REGISTER	K0980500
2079		IC	R15,COFLNGTH		PICK-UP CURRENT LENGTH	K0981000
2080		LA	R15,COFJOB(R15)		PT TO CURRENT MSG END	K0983000
2081		TM	JQEFLAG2,QUESYSAF		TEST FOR QUEUED TO 'ANY'	K0983500
2082		BNO	COFJMAF1		NO--PLACE ALL NAMES IN MSG	K0984000
2083		MVC	0(3,R15),=C'ANY'		SET AFFINITY SYS NAMES TO 'ANY'	K0984500
2084		LA	R15,3(,R15)		PT TO NEW END OF MSG	K0985000
2085		B	COFJMAF2		AND EXIT	K0985500
2086	COFJMAF1	DS	0H		ADD SPECIFIC SYS NAMES	K0986000
2087		L	R14,\$QSE1		POINT TO 1ST QSE	R4 K0986500
2088	*				THIS CARD DELETED BY APAR @OZ27300	K0987000
2089		USING	QSESECT,R14		QSE ADDRESSABILITY	K0987500
2090		ST	WA,COMWREGS		SAVE WA FOR WORK	K0988000
2091	*				THIS CARD DELETED BY APAR @OZ27300	K0988500
2092	COFJMAF3	IC	WA,QSESIAFF		PICK UP SYSTEM AFFINITY BIT @OZ27300	K0989000
2093		EX	WA,COFJMAFF		TEST FOR JOB QUEUED TO THIS SYS	K0989500
2094		BZ	COFJMAF4		NO--SEARCH ALL ELEMENTS	K0990000
2095		MVC	0(L'QSESID,R15),QSESID YES--PUT NAME IN MSG			K0990500
2096		LA	R15,L'QSESID+1(,R15)		COMPUTE NEXT NAME LOCATION	K0991000
2097	COFJMAF4	DS	0H		CYCLE THROUGH ALL ELEMENTS	K0991500
2098		TM	QSEFLAGS,QSELAST		TEST FOR LAST ELEMENT	K0992000
2099		LA	R14,QSELEN(,R14)		BUMP TO NEXT QSE @OZ27300	K0992100
2100		BZ	COFJMAF3		NOT LAST LOOP	K0992500
2101		L	WA,COMWREGS		ELSE RESTORE WA CONTENTS	K0993000
2102		BCTR	R15,0		REDUCE MSG FOR XTR BLANK	K0993500
2103	COFJMAF2	DS	0H		TEST FOR 'IND' MODE OF OPERATION	K0994000
2104		TM	JQEFLAG2,QUEINDAF		TEST FOR 'IND' MODE	K0994500
2105		BZ	COFJMAF5		NO--SEND MESSAGE AS IS	K0995000
2106		MVC	1(3,R15),=C'IND'		SET 'IND' MODE IN MESSAGE	K0995500
2107		LA	R15,4(,R15)		PT TO END OF MESSAGE	K0996000
2108	COFJMAF5	DS	0H		COMPUTE MESSAGE LENGTH	K0996500
2109		LA	R14,COFJOB		PT TO MSG BEGINNING	K0997000
2110		SLR	R15,R14		COMPUTE NEW LENGTH	K0997500
2111		STC	R15,COFLNGTH		SAVE IT	K0998500
2112		LR	R15,R0		GET GOOD RETURN REGISTER	K1000500
2113		BR	R15		AND RETURN	K1001000
2114		SPACE	1			K1001500
2115	COFJMAFF	TM	JQEFLAG2,*-*		**** EXECUTE ONLY ****	K1002000
2116		DROP	R14		DROP QSE ADDRESSABILITY	K1002500
2117		EJECT				R41 K1002800
2118					*****	K1002900
2119	*				SEND MESSAGE FOR JOB ACTIVITY	* K1003000
2120					*****	K1003100
2121		SPACE	1			K1003500
2122	COFJWTO	DS	0H		CREATE MESSAGE OUTPUT	K1004000
2123		ST	R14,COMFWORK		SAVE R14	K1004500
2124		STM	R1,WA,COMWREGS		SAVE REGISTERS	K1005000
2125		SLR	WA,WA		CLEAR INSERT REGISTER	K1005500
2126		IC	WA,COFLNGTH		GET MESSAGE LENGTH	K1006500
2127	COFAGAIN	CH	WA,=H'70'		CHECK FOR EXCESSION OF MAX LENGTH	K1008500
2128		BNH	COFJFINI		NO--OUTPUT ONE MESSAGE	K1009000
2129		LA	R0,COFJOB+69		PT TO LAST POSSIBLE CHAR IN LINE	K1009500
2130		LA	R1,COFJOB-1(WA)		SET ADDRESS OF TOTAL MSG	K1010000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				2131	COFCKLN CLR R1,R0	TEST REULTANT LENGTH	K1010500
				2132	BNH COFLNOK	OK TO SEND IF LESS	K1011000
				2133	COFLESS BCTR WA,0	TOO BIG--REDUCE LENGTH	K1011500
				2134	LA R1,COFJOB-1(WA)	SET NEW END ADDRESS	K1012000
				2135	CLI 0(R1),C' '	CHECK FOR BLANK IN MESSAGE	K1012500
				2136	BE COFCKLN	IF YES--TEST LENGTH AGAIN	K1013000
				2137	B COFLESS	ELSE KEEP REDUCING LENGTH	K1013500
				2138	COFLNOK DS 0H	LENGTH NOW OK FOR 1 LINE MESSAGES	K1014000
				2139	LR R0,WA	SAVE NEW LENGTH	K1014500
				2140	IC WA,COFLNGTH	PICK-UP ORIGINAL LENGTH	K1015500
				2141	SLR WA,R0	COMPUTE NEW LENGTH	K1017500
				2142	STM R1,WA,COMDWORK	SAVE REGISTERS	K1018000
				2143	NI COMMID+1,X'FE'	SET JOB IS SET	K1018500
				2144	\$CWTO L=(R0)	SEND MESSGAE	K1019000
				2145	LM R1,WA,COMDWORK	RESTORE REGISTERS	K1019500
				2146	MVI COFJOB,C' '	SET BLANK INTO FIRST OF MESSAGE	K1020000
				2147	MVC COFJOB+1(COFQUE-COFJOB),COFJOB	BLANK REST	K1020500
				2148	BCTR WA,0	REDUCE NEW LENGTH FOR MOVE	K1021000
				2149	EX WA,COFMVMSG	MOVE MESSAGE DOWN	K1021500
				2150	LA WA,1+COFQUE-COFJOB(,WA)	SET NEW MESSAGE LENGTH	K1022000
				2151	STC WA,COFLNGTH	SAVE NEW LENGTH	K1023000
				2152	B COFAGAIN	GO OUTPUT REST OF MESSAGE	K1025000
				2153	SPACE 5		R41 K1025400
				2154	COFMVMSG MVC COFJOB+(COFQUE-COFJOB)(*-*),1(R1)	** EXECUTE ONLY **	K1025500
				2155	EJECT		R41 K1026000
				2156	*****		K1026200
				2157	* OUTPUT LAST LINE OF MESSAGE		* K1026300
				2158	*****		K1026400
				2159	COFJFINI DS 0H	OUTPUT LAST LINE OF MESSAGE	K1026500
				2160	LR R0,WA	PUT LENGTH INTO R0	K1027000
				2161	LM R1,WA,COMWREGS	RESTORE REGISTERS	K1027500
				2162	STM R1,WA,COMDWORK	SAVE REGISTERS	K1028000
				2163	NI COMMID+1,X'FE'	SET JOB ID IS SET	K1028500
				2164	\$CWTO L=(R0)	OUTPUT MESSAGE	K1029000
				2165	LM R1,WA,COMDWORK	RESTORE REGISTERS	K1029500
				2166	L R14,COMFWORK	RESTORE R14	K1030000
				2167	BR R14	AND RETURN	K1030500
				2168	SPACE 4		K1031000
				2169	COFDEVTB EQU *	LOCAL DEVICE LOOK-UP TABLE	K1031500
				2170	DC AL1(0),CL8'INTRDR'		K1032000
				2171	DC AL1(6),CL8'READER'		K1032500
				2172	COFPRDEV DC AL1(7),CL8'PRINTER'		R4 K1033000
				2173	DC AL1(5),CL8'PUNCH'		R4 K1033500
				2174	COFDEVTL EQU (*-COFDEVTB)/4	LENGTH OF EACH ELEMENT	K1034000
				2175	SPACE 4		K1034500
				2176	COFRMDVT EQU *	REMOTE DEVICE LOOK-UP TABLE	K1035000
				2177	DC CL2'**'	SPACER	R4 K1038500
				2178	DC CL2'RD'		K1039000
				2179	DC CL2'PR'		K1039500
				2180	DC CL2'PU'		K1040000
				2181	SPACE 2		K1040500
				2182	DROP R10	RELEASE ROUTINE ADDRESSABILITY	R4 K1041000
				2183	.XIT MEND		K1041500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2185	MACRO -- \$CFJSCAN -- SCAN JOB QUEUE	K1042500
				2186	&NAME \$CFJSCAN &PROCESS=,&EMPTY=,&IGNORE=,&NEXT=,&QUEUE=, &STORE=YES	@OZ29819CK1043000 @OZ29819 K1043100
				2187	LCLC &R	R4 K1043500
				2188	&R SETC '&SYSNDX'	R4 K1044000
				2189	\$CHEK &PROCESS,&NEXT	R4 K1044500
				2190	*****	K1045000
				2191	* SCAN JOB QUEUE FOR SELECTED JOBS *	K1045500
				2192	*****	K1046000
				2193	AIF ('&NAME' EQ '').NONAME	R4 K1046500
				2194	&NAME DS 0H	R4 K1047000
				2195	.NONAME AIF ('&EMPTY' EQ '' OR '&IGNORE' EQ '').NOCHEKA	R4 K1047500
				2196	MVI PCEBASE2,0 SET NO JOB(S) FOUND INDICATOR	R4 K1048000
				2197	.NOCHEKA AIF ('&QUEUE' EQ '').NOQUEUE	@OZ29819 K1048100
				2198	\$DECOD1 &QUEUE,,LA,R15 GET QUEUE TYPE IN R15	@OZ29819 K1048200
				2199	L R1,=V(\$QINDEX) GET ADDR OF JOB QUEUE INDEX	@OZ29819 K1048300
				2200	IC R15,0(R1,R15) GET OFFSET OF QUEUE HEAD	@OZ29819 K1048400
				2201	AGO .NOSTOR1	@OZ29819 K1048500
				2202	.NOQUEUE LA R15,\$JQTYPES*2 NO. OF JOB QUEUES (TIMES 2)	@OZ29819 K1048600
				2203	AIF ('&STORE' NE 'YES').NOSTOR1	R4 K1049000
				2204	CJS&R.A STH R15,COMJQHDS SAVE JOB QUEUE HEADER INDEX	R4 K1049500
				2205	LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE	R4 K1050000
				2206	AGO .NEXT1	R4 K1050500
				2207	.NOSTOR1 ANOP	R4 K1051000
				2208	CJS&R.A LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE	R4 K1051500
				2209	.NEXT1 AIF ('&EMPTY' EQ '' OR '&IGNORE' EQ '').NOCHEKB	R4 K1052000
				2210	B CJS&R.B BR TO BEGIN QUEUE SCAN	R4 K1052500
				2211	&NEXT MVI PCEBASE2,128 SET JOB FOUND INDICATOR	R4 K1053000
				2212	CJS&R.B L BASE2,PCEBASE2 SET JOB FOUND FLAG IN REGISTER	R4 K1053500
				2213	&IGNORE LH R1,JQECHAIN GET OFFSET OF NEXT JQE	R4 K1054000
				2214	AGO .NEXT2	R4 K1054500
				2215	.NOCHEKB ANOP	R4 K1055000
				2216	&NEXT LH R1,JQECHAIN GET OFFSET OF NEXT JQE	R4 K1055500
				2217	.NEXT2 N R1,=A(X'0000FFFF') INSURE OFFSET POSITIVE	R4 K1056000
				2218	BZ CJS&R.C BR IF END OF QUEUE	R4 K1056500
				2219	SLL R1,2 GET TRUE	R4 K1057000
				2220	AL R1,\$JOBQPTR JQE ADDRESS	R4 K1057500
				2221	B &PROCESS AND ENTER PROCESS ROUTINE	R4 K1058000
				2222	AIF ('&QUEUE' EQ '').NEXT3	@OZ29819 K1058100
				2223	CJS&R.C DS 0H	@OZ29819 K1058200
				2224	AGO .END	@OZ29819 K1058300
				2225	.NEXT3 AIF ('&STORE' NE 'YES').NOSTOR2	@OZ29819 K1058500
				2226	CJS&R.C LH R15,COMJQHDS GET CURRENT JOB QUEUE HDR INDEX	R4 K1059000
				2227	BCTR R15,0 REDUCE OFFSET BY 1	R4 K1059500
				2228	AGO .LOOP	R4 K1060000
				2229	.NOSTOR2 ANOP	R4 K1060500
				2230	CJS&R.C BCTR R15,0 REDUCE OFFSET BY 1	R4 K1061000
				2231	.LOOP BCT R15,CJS&R.A BR IF ANOTHER JOB QUEUE	R4 K1061500
				2232	.END AIF ('&EMPTY' EQ '' OR '&IGNORE' EQ '').XIT	@OZ29819 K1062000
				2233	LTR BASE2,BASE2 TEST FOR ANY JOB(S) FOUND	R4 K1062500
				2234	BP &EMPTY BR IF NO	R4 K1063000
				2235	.XIT MEND	R4 K1063500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2237	MACRO -- \$CFSEL -- SELECT A ROUTINE BASED ON CHARACTER	K1064500
				2238	&NAME \$CFSEL &A0,&A1,&A2,&A3,&A4,&A5,&A6,&A7,&A8,&A9,&AA,&AB,&AC, &AD,&AE,&AF, &OPERAND=(R1),&TYPE=CALL,&INFO=NO	CK1065000 CK1065500 K1066000
				2239	GBLC &DOC	K1066500
				2240	LCLA &A	K1067000
				2241	LCLC &C,&R	K1067500
				2242	&A SETA 3 SET MAX ARG TO PREVENT BAL	K1068000
				2243	&C SETC '&OPERAND' MVC X,OPERAND	K1068500
				2244	AIF ('&OPERAND'(1,1) NE '(').A	K1069000
				2245	&C SETC '0&OPERAND' MVC X,0(OPERAND)	K1069500
				2246	.A ANOP	K1070000
				2247	&R SETC '&SYSNDX'	K1070500
				2248	AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K1071000
				2249	AIF ('&TYPE' EQ 'RES').NOJECT	K1071500
				2250	EJECT	K1072000
				2251	.NOJECT SPACE 2	K1072500
				2252	*****	K1073000
				2253	*	* K1073500
				2254	* COFSEL -- SELECT A ROUTINE BASED ON KEY INPUT CHARACTER	* K1074000
				2255	*	* K1074500
				2256	* ROUTINE MATCHES THE DESIGNATED INPUT CHARACTER AGAINST	* K1075000
				2257	* THE LIST OF ARGUMENTS PROVIDED AND TRANSFERS CONTROL TO	* K1075500
				2258	* THE ROUTINE DESIGNATED BY THE CORRESPONDING ADDRESS.	* K1076000
				2259	* NO \$WAITS ARE ISSUED.	* K1076500
				2260	*	* K1077000
				2261	* REGISTERS USED	* K1077500
				2262	* R1 = ADDRESS OF INPUT CHARACTER	* K1078000
				2263	* LINK = RETURN (USED IF NO MATCH FOUND)	* K1078500
				2264	* R15 = WORK REGISTER	* K1079000
				2265	*	* K1079500
				2266	* NOTES	* K1080000
				2267	* SEVERAL METHODS OF SELECTION ARE USED BASED UPON THE	* K1080500
				2268	* LENGTH OF THE ARGUMENT LIST.	* K1081000
				2269	* THE SELECTED ROUTINE MUST BE LOCATEABLE VIA AN S TYPE	* K1081500
				2270	* CONSTANT.	* K1082000
				2271	*	* K1082500
				2272	*****	K1083000
				2273	.Z ANOP	K1083500
				2274	&NAME NULL	K1084000
				2275	AIF ('&TYPE' NE 'CALL').INL	K1084500
				2276	.B AIF (N'&SYSLIST LE &A).SHORT	K1085000
				2277	CNOP 0,4 INSURE ALINGMENT	K1085500
				2278	BAL R15,COF&R.T PICK UP TABLE FOR SELECTION	K1086000
				2279	&A SETA 0	K1086500
				2280	.C AIF (&A GE N'&SYSLIST).D	K1087000
				2281	&A SETA &A+1	K1087500
				2282	DC CL1 '&SYSLIST(&A,1)',AL3(&SYSLIST(&A,2))	K1088000
				2283	AGO .C	K1088500
				2284	.D DC X'FF' END OF SELECT TABLE	K1089000
				2285	COF&R.T BAL LINK,COFSEL SELECT ROUTINE	K1089500
				2286	MEXIT	K1090000
				2287	.INL ANOP	K1090500
				2288	COF&R.T CLC 0(1,R15),&C SEARCH TABLE LOOKING FOR	K1091000
				2289	BNE *+10 EQUAL OPERANDS	K1091500
				2290	L LINK,0(,R15) WHEN FOUND INSERT ADDRESS	K1092000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2291	BR LINK	INTO LINK AND EXIT TO SUB-RTN K1092500
				2292	LA R15,4(,R15)	ELSE STEP THROUGH TABLE K1093000
				2293	BL COF&R.T	LOOP WHILE STILL IN TABLE K1093500
				2294	BR LINK	ELSE RETURN IN ERROR K1094000
				2295	MEXIT	K1094500
				2296	.SHORT ANOP	K1095000
				2297	&A SETA 0	K1095500
				2298	.H AIF (&A GE N'&SYSLIST).XIT	K1096000
				2299	&A SETA &A+1	K1096500
				2300	CLI &C,C'&SYSLIST(&A,1)' TEST CHARACTER	R4 K1097000
				2301	BE &SYSLIST(&A,2) BR IF MATCH	R4 K1097500
				2302	AGO .H	K1098000
				2303	.XIT MEND	K1098500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2305	MACRO -- \$CFVQE -- VERIFY CONSOLE CONTROL OVER JOB	K1099500
				2306	&NAME \$CFVQE &JOBQE=(R1),&OK=(,B),&NOK=(,B),&TYPE=CALL,&INFO=NO	K1100000
				2307	GBLC &DOC	K1100500
				2308	LCLC &OP1,&OP2	K1101000
				2309	AIF ('&INFO' EQ '' AND '&DOC' EQ 'NO' OR '&INFO' EQ 'NO').Z	K1101500
				2310	AIF ('&TYPE' EQ 'RES').NOJECT	K1102000
				2311	EJECT	K1102500
				2312	.NOJECT SPACE 2	K1103000
				2313	*****	K1103500
				2314	*	* K1104000
				2315	* COFVQE -- VERIFY CONSOLE CONTROL OVER JOB	* K1104500
				2316	*	* K1105000
				2317	* ROUTINE TESTS FOR RESTRICTED CONSOLE AND, IF RESTRICTED	* K1105500
				2318	* AND NEITHER PRINT OR PUNCH ROUTING IS TO THE RESTRICTED	* K1106000
				2319	* UNIT RECORD GROUP, THE JOB IS 'NOT OK'.	* K1106500
				2320	* OTHERWISE THE JOB IS 'OK'.	* K1107000
				2321	* NO \$WAITS ARE ISSUED.	* K1107500
				2322	*	* K1108000
				2323	* REGISTERS USED	* K1108500
				2324	* R0 = WORK	* K1109000
				2325	* R1 = JOB QUEUE ELEMENT ADDRESS	* K1109500
				2326	* LINK = RETURN	* K1110000
				2327	* R15 = WORK	* K1110500
				2328	*	* K1111000
				2329	* EXITS	* K1111500
				2330	* CC = (E) - JOB QUEUE ELEMENT OK	* K1112000
				2331	* CC = (NE) - JOB QUEUE ELEMENT NOK	* K1112500
				2332	*	* K1113000
				2333	*****	K1113500
				2334	.Z ANOP	K1114000
				2335	AIF ('&TYPE' NE 'CALL').INLINE	K1114500
				2336	AIF ('&OK(1)' NE '' OR '&NOK(1)' NE '').A @OZ71021	K1115000
				2337	MNOTE 12, ''NOT OK'' KEYWORD REQUIRED'	K1115500
				2338	MEXIT	K1116000
				2339	.A ANOP	K1116500
				2340	&NAME DS 0H	K1117000
				2341	\$DECODE &JOBQE	K1117500
				2342	BAL LINK,COFVQE VERIFY JOB'S OWNERSHIP	K1118000
				2343	AGO .B	K1118500
				2344	.INLINE ANOP	K1119000
				2345	&NAME DS 0H	K1119500
				2346	TM COMAUTH,CMBFLAGR ENTRY CONSOLE ONLY RMT AUTHORIZED R4	K1120000
				2347	BZR LINK NO--RETURN 'OK'--EQUAL	K1120500
				2348	LH R0,COMJRUT PICK UP JOB ROUTE R4	K1121500
				2349	ICM R0,2,=H'0' PURIFY REMOTE ID R4	K1125500
				2350	BCTR R0,0 LESS ONE FOR TRUE INDEX	K1126000
				2351	MH R0,=Y(RATTLE) TIMES RAT SIZE FOR DISPLACEMENT	K1126500
				2352	LR R15,R0 FIND DESIRED R4	K1127000
				2353	AL R15,\$RATABLE RAT ELEMENT R4	K1127500
				2354	LH R0,RATROUTE-RATDSECT(,R15) GET RAT ROUTE CODE	K1128000
				2355	COFVQEK CLI JQETYPE,\$INPUT IS JOB ON READER... R41	K1128500
				2356	BE *+10 BR IF YES (IGNORE PRT ROUTE) R41	K1128600
				2357	CH R0,JQEPRTRT CHECK IT WITH JOB'S PRT RT R41	K1128700
				2358	BER LINK EQUAL 'OK'	K1129000
				2359	CH R0,JQEPUNRT CHECK IT WITH JOB'S PUN RTE	K1129500
				2360	BR LINK RETURN-- EQ='OK' NE='NOK'	K1130000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2361	MEXIT	K1134500
				2362	.B ANOP	K1135000
				2363	AIF ('&OK(1)' EQ '').C	K1135500
				2364	AIF ('&OK(2)' NE '').D	K1136000
				2365	BE &OK(1) OWNERSHIP VERIFIED -- 'OK'	K1136500
				2366	AGO .C	K1137000
				2367	.D ANOP	K1137500
				2368	&OP1 SETC '&OK(2)'	K1138000
				2369	&OP1 SETC '&OP1'(1,1)..'E'..'&OP1'(2,1)	K1138500
				2370	&OP1 &OK(1) OWNERSHIP VERIFIED--'OK'	K1139000
				2371	.C AIF ('&NOK(1)' EQ '').XIT	K1139500
				2372	AIF ('&NOK(2)' EQ '').E	K1140000
				2373	&OP2 SETC '&NOK(2)'	K1140500
				2374	&OP2 SETC '&OP2'(1,1)..'NE'..'&OP2'(2,1)	K1141000
				2375	&OP2 &NOK(1) OWNERSHIP NOT VERIFIED--'NOK'	K1141500
				2376	AGO .XIT	K1142000
				2377	.E BNE &NOK(1) OWNERSHIP NOT VERIFIED--'NOK'	K1142500
				2378	AIF ('&OK(1)' EQ '').XIT	R4 K1143000
				2379	B &OK(1) NO REMOTES--ALL CONSOLES VALID	K1143500
				2380	.XIT MEND	K1144000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

000000 2383 HASPCOMM START 0 HASP COMMAND PROCESSOR K1145500

2385 * K1146500
 2386 * EXTERNAL REFERENCES K1147000
 2387 * K1147500

2389 ENTRY \$JCANR ADDRESS OF JOB CANCEL ROUTINE K1148500
 2390 ENTRY \$COMMEND ADDRESS OF END OF MAIN CSECT K1149000

2392 COPY \$HASPGEN COPY HASPGEN PARAMETERS K1150000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

2395 *
 2396 * INTERNAL GENERATION PARAMETERS R4 DR006000
 2397 * R4 DR008000
 R4 DR010000

2399 GBLC &VERSION HASP VERSION R4 DR014000
 2400 GBLC &MID CURRENT OS MESSAGE ID R4 DR016000
 2401 GBLC &PRINT HASP CONTROL BLOCK PRINT OPTION R4 DR018000
 2402 GBLC &GEN HASP MACRO EXPANSION PRINT OPTION R4 DR020000
 2403 GBLC &DATA HASP DATA PRINT OPTION R4 DR022000
 2404 GBLC &DOC HASP DOCUMENTATION OPTION R4 DR024000
 2405 GBLC &LIST OS CONTROL BLOCK PRINT OPTION R4 DR026000

2407 * DR030000
 2408 * INTERNAL GENERATION PARAMETER VALUES R4 DR032000
 2409 * DR034000

2411 &VERSION SETC 'JES2 4.1' JES2 RELEASE 4, LEVEL 1 * DR038000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

2414 * DR044000
 2415 * ABSOLUTE REGISTER DEFINITIONS DR046000
 2416 * DR048000

00000	2418	R0	EQU	0		DR052000
00001	2419	R1	EQU	1		DR054000
00002	2420	R2	EQU	2		DR056000
00003	2421	R3	EQU	3		DR058000
00004	2422	R4	EQU	4		DR060000
00005	2423	R5	EQU	5		DR062000
00006	2424	R6	EQU	6		DR064000
00007	2425	R7	EQU	7		DR066000
00008	2426	R8	EQU	8		DR068000
00009	2427	R9	EQU	9		DR070000
0000A	2428	R10	EQU	10		DR072000
0000B	2429	R11	EQU	11		DR074000
0000C	2430	R12	EQU	12		DR076000
0000D	2431	R13	EQU	13		DR078000
0000E	2432	R14	EQU	14		DR080000
0000F	2433	R15	EQU	15		DR082000

2435 * DR086000
 2436 * SYMBOLIC REGISTER DEFINITIONS DR088000
 2437 * DR090000

00002	2439	WA	EQU	R2	WORK REGISTER A	DR094000
00003	2440	WB	EQU	R3	WORK REGISTER B	DR096000
00004	2441	WC	EQU	R4	WORK REGISTER C	DR098000
00005	2442	WD	EQU	R5	WORK REGISTER D	DR100000
00006	2443	WE	EQU	R6	WORK REGISTER E	DR102000
00007	2444	WF	EQU	R7	WORK REGISTER F	DR104000
00008	2445	WG	EQU	R8	WORK REGISTER G	DR106000
00008	2446	BASE3	EQU	R8	SEGMENT BASE REGISTER	DR108000
0000A	2447	JCT	EQU	R10	JCT ADDRESSABILITY REGISTER	DR110000
0000B	2448	BASE1	EQU	R11	HCT ADDRESSABILITY REGISTER	DR112000
0000C	2449	BASE2	EQU	R12	PROCESSOR ADDRESSABILITY REGISTER	DR114000
0000D	2450	SAVE	EQU	R13	PCE ADDRESSABILITY REGISTER	DR116000
0000E	2451	LINK	EQU	R14	LINK REGISTER	DR118000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

00000	2454	NONE	EQU	0	NO BRANCH CONDITION	@OZ27300	DR124000
00001	2455	O	EQU	1	ONES OR OVERFLOW		DR126000
00002	2456	H	EQU	2	HIGH		DR128000
00002	2457	P	EQU	2	PLUS		DR130000
00004	2458	L	EQU	4	LOW		DR132000
00004	2459	M	EQU	4	MINUS OR MIXED		DR134000
00007	2460	NE	EQU	7	NOT EQUAL		DR136000
00007	2461	NZ	EQU	7	NOT ZERO		DR138000
00008	2462	E	EQU	8	EQUAL		DR140000
00008	2463	Z	EQU	8	ZERO		DR142000
0000B	2464	NL	EQU	11	NOT LOW		DR144000
0000B	2465	NM	EQU	11	NOT MINUS OR NOT MIXED		DR146000
0000D	2466	NH	EQU	13	NOT HIGH		DR148000
0000D	2467	NP	EQU	13	NOT PLUS		DR150000
0000E	2468	NO	EQU	14	NOT ONES OR NOT OVERFLOW		DR152000
000FF	2469	FF	EQU	255	ALL BITS ON	@OZ32566	DR153000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

				2472 *				DR156000
				2473 *			INHIBIT FLAG DEFINITIONS	DR158000
				2474 *				DR160000
00005				2475 \$EWFSPCT EQU	5		COUNT OF SPECIFIC \$POSTS @OZ27300	DR162000
00080				2476 \$EWFPOST EQU	X'80'		INHIBIT SPECIFIC PCE \$POST	DR164000
00040				2477 \$EWFOPER EQU	X'40'		PROCESSOR DEACTIVATED	DR166000
00020				2478 \$EWFIO EQU	X'20'		WAITING FOR I/O	DR168000
00010				2479 \$EWFWORK EQU	X'10'		WAITING FOR WORK	DR170000
00008				2480 \$EWFHOLD EQU	X'08'		WAITING FOR \$\$ COMMAND	DR172000

				2483 *				DR176000
				2484 *			EVENT CONTROL FIELD FLAG DEFINITIONS	DR178000
				2485 *				DR180000

00004				2487 \$EWFALOC EQU	X'04'		ECF FLAG FOR ALLOCATION @OZ20685	DR183000
00002				2488 \$EWFIMAG EQU	X'02'		ECF FLAG FOR IMAGE LOAD	DR184000
00001				2489 \$EWFBUF EQU	X'01'		ECF FLAG FOR BUFFER	DR186000
				2490 *				DR188000
00080				2491 \$EWFJOT EQU	X'80'		ECF FLAG FOR JOT QUEUES	DR190000
00040				2492 \$EWFTRAK EQU	X'40'		ECF FLAG FOR TRACK	DR192000
00020				2493 \$EWFJOB EQU	X'20'		ECF FLAG FOR JOB QUEUE ELEMENT	DR194000
00010				2494 \$EWFUNIT EQU	X'10'		ECF FLAG FOR UNIT	DR196000
00008				2495 \$EWFCKPT EQU	X'08'		ECF FLAG FOR CHECKPOINT	DR198000
00004				2496 \$EWF CMB EQU	X'04'		ECF FLAG FOR CMB	DR200000
00002				2497 \$EWF SMF EQU	X'02'		ECF FLAG FOR SMF BUFFERS	DR202000
00001				2498 \$EWFCKPW EQU	X'01'		ECF FLAG FOR CHECKPOINT WORK	DR204000
				2499 *			@OZ27300	DR205000
00080				2500 \$EWFCKPP EQU	X'80'		ECF FLAG FOR CKPT POST @OZ27300	DR205200
00040				2501 \$EWF RSV EQU	X'40'		ECF FLAG FOR CKPT RSV POST @OZ35278	DR205400

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

2504 * DR208000
 2505 * BYTE DEFINITIONS DR210000
 2506 * DR212000

00000	2508	\$EWBPOST	EQU	0	BYTE 0	DR216000
00000	2509	\$EWBOPER	EQU	0	BYTE 0	DR218000
00000	2510	\$EWBIO	EQU	0	BYTE 0	DR220000
00000	2511	\$EWBWORK	EQU	0	BYTE 0	DR222000
00000	2512	\$EWBHOLD	EQU	0	BYTE 0	DR224000
00000	2513	\$EWBALOC	EQU	0	BYTE 0	@OZ20685 DR225000
00000	2514	\$EWBIMAG	EQU	0	BYTE 0	DR226000
00000	2515	\$EWBBUF	EQU	0	BYTE 0	DR228000
	2516	*				DR230000
00001	2517	\$EWBJOT	EQU	1	BYTE 1	DR232000
00001	2518	\$EWBTRAK	EQU	1	BYTE 1	DR234000
00001	2519	\$EWBJOB	EQU	1	BYTE 1	DR236000
00001	2520	\$EWBUNIT	EQU	1	BYTE 1	DR238000
00001	2521	\$EWBCKPT	EQU	1	BYTE 1	DR240000
00001	2522	\$EWBCMB	EQU	1	BYTE 1	DR242000
00001	2523	\$EWBSMF	EQU	1	BYTE 1	DR244000
00001	2524	\$EWBCKPW	EQU	1	BYTE 1	DR246000
	2525	*				@OZ27300 DR247000
00002	2526	\$EWBCKPP	EQU	2	BYTE 2	@OZ27300 DR247200
00002	2527	\$EWBRSV	EQU	2	BYTE 2	@OZ35278 DR247400

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

2530 * DR252000
 2531 * LOGICAL CONSOLE DEFINITIONS DR254000
 2532 * DR256000

00001 2534 \$LOG EQU X'01' SYSTEM LOG CONSOLE DR260000
 00002 2535 \$ERR EQU X'02' ERROR CONSOLE DR262000
 00004 2536 \$UR EQU X'04' UNIT RECORD OPERATIONS AREA DR264000
 00008 2537 \$TP EQU X'08' TELE-PROCESSING OPERATIONS AREA DR266000
 00010 2538 \$TAPE EQU X'10' TAPE HANDLING OPERATIONS AREA DR268000
 00020 2539 \$MAIN EQU X'20' CHIEF OPERATORS AREA DR270000
 00040 2540 \$SPARE1 EQU X'40' SPARE 1 DR272000
 00080 2541 \$SPARE2 EQU X'80' SPARE 2 DR274000
 0003F 2542 \$ALL EQU X'3F' ALL UNRESERVED LOCAL CONS. DR276000

2544 * DR280000
 2545 * MESSAGE CLASS DEFINITIONS DR282000
 2546 * DR284000

00010 2548 \$TRIVIA EQU X'10' NON-ESSENTIAL MESSAGES DR288000
 00030 2549 \$NORMAL EQU X'30' NORMAL MESSAGES DR290000
 00050 2550 \$ACTION EQU X'50' MESSAGES REQUIRING OPERATOR ACTION DR292000
 00070 2551 \$ALWAYS EQU X'70' MESSAGES WHICH SHOULD ALWAYS BE SENT DR294000
 00080 2552 \$DOMACT EQU X'80' ACTION REQUIRING A \$DOM FLAG DR296000

2554 * DR300000
 2555 * MESSAGE PRIORITY DEFINITIONS DR302000
 2556 * DR304000

00001 2558 \$LO EQU 1 LOW PRIORITY DR308000
 00004 2559 \$ST EQU 4 STANDARD PRIORITY DR310000
 00007 2560 \$HI EQU 7 HIGH PRIORITY DR312000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

2563 * DR318000
 2564 * INITIALIZATION PARAMETER BIT DEFINITIONS DR320000
 2565 * DR322000

00080	2567	\$OPTFMT	EQU	X'80'	FORMAT-- FORCE FORMAT OPTION	DR326000
00000	2568	\$OPTNFMT	EQU	X'00'	NOFMT -- NO-FORCE FORMAT OPTION	DR328000
00040	2569	\$OPTCOLD	EQU	X'40'	COLD -- COLD START OPTION	DR330000
00000	2570	\$OPTWARM	EQU	X'00'	WARM -- WARM START OPTION	DR332000
00020	2571	\$OPTREQ	EQU	X'20'	REQ -- REQUEST OPTION	DR334000
00000	2572	\$OPTNREQ	EQU	X'00'	NOREQ -- NO-REQUEST OPTION	DR336000
00010	2573	\$OPTLIST	EQU	X'10'	LIST -- HASPPARM LIST OPTION	DR338000
00000	2574	\$OPTNLST	EQU	X'00'	NOLIST-- HASPPARM NOLIST OPTION	DR340000
00008	2575	\$OPTLOG	EQU	X'08'	LOG -- HASPPARM LOG OPTION R41	DR340100
00000	2576	\$OPTNLOG	EQU	X'00'	NOLOG -- HASPPARM NOLOG OPTION R41	DR340200
00004	2577	\$OPTALTC	EQU	X'04'	ALTCKPT- ALTERNATE CKPT @OZ27300	DR340300
00000	2578	\$OPTPRMC	EQU	X'00'	PRMCKPT- PRIMARY CKPT @OZ27300	DR340400
00001	2579	\$OPTPARM	EQU	X'01'	HASPPARM= -- HASPPARM NAME OPTION	DR342000

2581 * DR346000
 2582 * HASP STATUS BIT DEFINITIONS DR348000
 2583 * DR350000

00080	2585	\$QSONDA	EQU	X'80'	SHARED QUEUES ARE ON DA	DR354000
00040	2586	\$ALMSGSW	EQU	X'40'	ALL AVAILABLE FUNCTIONS MSG ISSUED	DR356000
00020	2587	\$DRAINED	EQU	X'20'	SYSTEM HAS BEEN \$DRAINED	DR358000
00010	2588	\$CKPTW	EQU	X'10'	CHECKPOINT WRITE REQUIRED @OZ27300	DR360000
00008	2589	\$INDMODE	EQU	X'08'	SYSTEM IS IN INDEPENDENT MODE	DR362000
00004	2590	\$SYSEXIT	EQU	X'04'	HASP SYSTEM IN TERMINATION PROCESS	DR364000
00002	2591	\$DUPLEX	EQU	X'02'	CHECKPOINT-DUPLEXING @OZ27300	DR364100
	2592	*	EQU	X'01'	RESERVED FOR FUTURE USE @OZ20010	DR364200

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2594 *		R4 DR368000
				2595 *	HASP RUN OPTION BIT DEFINITIONS	R4 DR370000
				2596 *		R4 DR372000
		00080	2598	\$RPS EQU X'80'	ROTATIONAL POSITION SENSING OPT	R4 DR376000
		00040	2599	\$DEBUG EQU X'40'	HASP DEBUG OPTION	R4 DR378000
		00020	2600	\$MSGID EQU X'20'	HASP MESSAGE ID OPTION	R4 DR380000
		00010	2601	\$TIMEOPT EQU X'10'	TIME EXCESSION OPTION	R4 DR382000
		00008	2602	\$XBATCH EQU X'08'	EXECUTION BATCHING OPTION	R4 DR384000
			2603 *	EQU X'04'	RESERVED FOR FUTURE USE @OZ35278	DR386000
		00002	2604	\$PRIOOPT EQU X'02'	/*PRIORITY CARD OPTION	R4 DR388000
		00001	2605	\$PRTYOPT EQU X'01'	JOB CARD 'PRTY=' OPTION	R4 DR390000
			2607 *			R4 DR394000
			2608 *		HASP RJE OPTION BIT DEFINITIONS	R4 DR396000
			2609 *			R4 DR398000
		00080	2611	\$ADDSYNS EQU X'80'	ADDITIONAL SYNCHRONOUS IDLES OPT	R4 DR402000
		00040	2612	\$BSVBOPT EQU X'40'	2780 VARIABLE BLOCKING OPTION	R4 DR404000
			2614 *			R4 DR408000
			2615 *		PRINT/PUNCH OPTION BIT DEFINITIONS	R4 DR410000
			2616 *			R4 DR412000
		00080	2618	\$PRTBOPT EQU X'80'	LOCAL PRINT DBL-BUFFERING OPTION	R4 DR416000
		00040	2619	\$PUNBOPT EQU X'40'	LOCAL PUNCH DBL-BUFFERING OPTION	R4 DR418000
		00020	2620	\$RPRBOPT EQU X'20'	REMOTE PRINT DBL-BUFFERING OPTION	R4 DR420000
		00010	2621	\$RPUBOPT EQU X'10'	REMOTE PUNCH DBL-BUFFERING OPTION	R4 DR422000
		00008	2622	\$PRTRANS EQU X'08'	PRINT TRANSLATE OPTION	R4 DR424000
		00004	2623	\$DMNDSET EQU X'04'	SPECIFY DEMAND SETUP OPTION	R4 DR426000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

2625 * R4 DR430000
 2626 * \$MCONPCE BIT DEFINITIONS R4 DR432000
 2627 * R4 DR434000

00080 2629 \$MCONACT EQU X'80' REMOTE CONSOLE HAS OUTPUT ACTIVITY DR438000
 00040 2630 \$MCONWAT EQU X'40' REMOTE CONSOLE WAITING FOR JOBQUEUE DR440000

2632 * R4 DR452000
 2633 * MISCELLANEOUS DEFINITIONS R4 DR454000
 2634 * R4 DR456000

00120 2636 \$MWORKSZ EQU 288 SIZE OF RTAM WORK AREA ADDRESSED R4CDR460000
 VIA \$MWORK -- MUST BE MULTIPLE OF R4CDR462000
 8 BYTES R4 DR464000
 00002 2637 \$AMTYPES EQU 2 2 ACCESS METHS IN RTAM--BSC, SNA R4 DR466000
 00005 2638 \$EXTPOPE EQU 5 RTAM ENTRY LIST INDEX FOR OPEN R4 DR470000
 00004 2639 \$EXTPGET EQU 4 RTAM ENTRY LIST INDEX FOR GET R4 DR472000
 00003 2640 \$EXTPPUT EQU 3 RTAM ENTRY LIST INDEX FOR PUT R4 DR474000
 00002 2641 \$EXTPCLO EQU 2 RTAM ENTRY LIST INDEX FOR CLOSE R4 DR476000
 00001 2642 \$EXTPNCL EQU 1 RTAM ENTRY LIST INDEX FOR NCLOSE R41 DR478000

2644 * R4 DR494000
 2645 * HASP INITIALIZATION LIMITS R4 DR496000
 2646 * R4 DR498000

007D0 2648 \$MAXBUF EQU 2000 MAXIMUM NUMBER OF HASP BUFFERS R4 DR502000
 01388 2649 \$MAXJOES EQU 5000 MAXIMUM NUMBER OF JOES R4 DR504000
 01F40 2650 \$MAXJQES EQU 8000 MAXIMUM NUMBER OF JQES R4 DR506000
 000FF 2651 \$MAXLNES EQU 255 MAXIMUM NUMBER OF TP LINES R4 DR508000
 00001 2652 \$MAXLOGS EQU 1 MAXIMUM NUMBER OF LOGON VTAM R4CDR512000
 INTERFACES R4 DR514000
 00063 2653 \$MAXPRTS EQU 99 MAXIMUM NUMBER OF LOCAL PRINTERS R4 DR524000
 00063 2654 \$MAXPUNS EQU 99 MAXIMUM NUMBER OF LOCAL PUNCHES R4 DR526000
 00063 2655 \$MAXRDRS EQU 99 MAXIMUM NUMBER OF LOCAL READERS R4 DR528000
 000FF 2656 \$MAXRJE EQU 255 MAXIMUM NUMBER OF RJE TERMINALS R4 DR530000
 007D0 2657 \$MAXTPBF EQU 2000 MAXIMUM NUMBER OF TP BUFFERS R4 DR532000

2659 * @OZ32879 DR532100

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2660 *	AWAITING RESOURCE MESSAGE FLAGS	@OZ32879 DR532150
				2661 *		@OZ32879 DR532200
		00080		2663	\$CMBMSB EQU X'80'	CMB SHORTAGE @OZ32879 DR532300
		00040		2664	\$LOBMSB EQU X'40'	LOCAL BUFFER WAIT @OZ32879 DR532350
		00020		2665	\$TPBMSB EQU X'20'	TP BUFFER WAIT @OZ32879 DR532400
		00010		2666	\$SMFMSB EQU X'10'	SMF BUFFER SHORTAGE @OZ32879 DR532450
		00008		2667	\$JOBMSB EQU X'08'	JOBQUE FULL MSG @OZ32879 DR532500
		00004		2668	\$JOTMSB EQU X'04'	JOT FULL MSG @OZ32879 DR532550
				2669	IHASU1	SET SNA1/SNA2 FLAG R4 DR536000
				2671 *		@OZ37618 DR542010
				2672 *	PASSWORD PROCESSING PARAMETERS	@OZ37618 DR542020
				2673 *		@OZ37618 DR542030
		00001		2675	\$RPASFND EQU X'01'	PASSWORD PROCESSED @OZ37618 DR542050
		00002		2676	\$RJOBERR EQU X'02'	ERROR ON JOB CARD @OZ37618 DR542060
		00004		2677	\$RJOBECD EQU X'04'	END OF CARD MET @OZ37618 DR542070
		00008		2678	\$RJOBFND EQU X'08'	JOB CARD BEING PROCESSED @OZ37618 DR542080
		00010		2679	\$RPSWCNT EQU X'10'	PASSWORD CONTINUA'N FOUND @OZ61577 DR542090
				2680 *		IN RPUTSCAN ROUTINE @OZ61577 DR542100

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				2682 *		@OZ27300 DR546000
				2683 *	CHECKPOINT DISPOSITION	@OZ27300 DR548000
		00080		2684 \$CKPNODL EQU X'80'	NODAL WARM START IN PROGRESS	@OZ35996 DR549000
				2685 *		@OZ27300 DR550000
		00040		2687 \$CKPDPX EQU X'40'	AT LEAST 1 SYSTEM DUPLEXING	@OZ27300 DR554000
		00020		2688 \$CKPLOKB EQU X'20'	OPERATOR BYPASSED LOCK	@OZ27300 DR556000
		00010		2689 \$CKPALT EQU X'10'	ALTERNATE DATA SET WAS READ	@OZ27300 DR558000
		00008		2691 \$CKPDAMG EQU X'08'	CHECKPOINT READ WAS DAMAGED	@OZ27300 DR562000
		00004		2692 \$CKPERRQ EQU X'04'	JOB QUEUE ERROR DETECTED	@OZ27300 DR564000
		00002		2693 \$CKPBLDQ EQU X'02'	JOB QUEUE REBUILT	@OZ27300 DR566000
		00001		2694 \$CKPERRJ EQU X'01'	JOT ERROR DETECTED	@OZ27300 DR568000
				2696	IHASU1	@OZ27300 DR572000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

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000000          2699 HASPCOMM $ENTRY CSECT=YES,BASE=BASE2  PROVIDE PROCESSOR ENTRY POINT      K1151500
000000          2700+HASPCOMM CSECT                      CREATE NEW HASP CSECT      CX032000
000000          2701+          00000          USING HASPCOMM,BASE2  PROVIDE SEGMENT ADDRESSABILITY  CX056000
000000 47F0 C018          00018          2702+          B          ++24          BRANCH AROUND SEGMENT IDENTIFICATION  CX058000
000004 5B5B5B5BC8C1E2D7          2703+          DC          4C'$',CL8'HASPCOMM'  HASP SEGMENT IDENTIFICATION  CX064000
000010 D1C5E2F240F44BF1          2704+          DC          CL8'JES2 4.1'          HASP VERSION NUMBER      CX068000
    
```

```

2706 *          K1152500
2707 *          DOCUMENTATION OPTIONS FOR THIS ASSEMBLY  K1153000
2708 *          K1153500
    
```

```

2710          $SYSPARM (OFF,GEN,NODATA,NO,NO)          K1154500
    
```

```

2712+*,          &PRINT SET TO OFF
2713+*,          &GEN   SET TO GEN
2714+*,          &DATA  SET TO NODATA
2715+*,          &DOC   SET TO NO
2716+*,          &LIST  SET TO NO
    
```

```

2718 *          K1155500
2719 *          GENERATE HASP CONTROL BLOCKS          K1156000
2720 *          K1156500
    
```

```

2722          $HASPCB DOC=&DOC,LIST=&LIST  GENERATE HASP CONTROL BLOCKS  K1157500
2723+          PUSH  PRINT          K0062000
2724+          PRINT OFF          K0062500
2775+          PUSH  PRINT          03102001
2776+          PRINT OFF          03150001
3726+          POP   PRINT          36932302
3968+          PUSH  PRINT          01012002
3969+          PRINT OFF          01016002
4747+          POP   PRINT          35259602
5648+          PUSH  PRINT          01770000
5649+          PRINT OFF          01790000
6260+          POP   PRINT          29862000
6369+          PUSH  PRINT          05000000
    
```


LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				6370+	PRINT OFF	05100000
				7363+	POP PRINT	44000000
				11929+	POP PRINT	K0083500
				11930+	PRINT GEN,NODATA SET ASSEMBLY PRINT OPTIONS	K0084000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				11932	*****	K1158400
				11933	*	* K1158500
				11934	* H A S P C O M M M A I N E N T R Y P O I N T	* K1159000
				11935	*	* K1159500
				11936	*****	K1159600
		00000		11938	USING PCEDESECT,SAVE	K1160500
		00000		11939	USING HCTDSECT,BASE1	K1161000
		00000		11940	USING JQEDSECT,R1	K1161500
000018	9120 B468	00468		11942	TM \$COMPPE,X'20' ENTERED FOR CMD ABORT... @OZ27300	K1161700
00001C	4780 C036	00036		11943	BZ CBEGIN BR IF NO @OZ27300	K1161800
000020	94DF B468	00468		11944	NI \$COMPPE,FF-X'20' RESET CMD ABORT BIT @OZ27300	K1161900
				11945	\$CRET MSG='COMMAND PURGED--SHARED QUEUES UNAVAILABLE' @OZ27300	K1162000
000024				11946+	DS 0H Z0006000	
000024	D228 D0B6 CB26	000B6 00B26		11947+	MVC COMMAND(41),=C'COMMAND PURGED--SHARED QUEUES UNAVAILABLEXK0131000	
				+		
00002A	4100 0029	00029		11948+	LA R0,41 SET LENGTH OF MSG IN R0	K0131500
00002E	41F0 0008	00008		11949+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
000032	47F0 C1AC	001AC		11950+	B CORET RETURN	K0137500
000036	5820 B234	00234		11952	CBEGIN L WA,\$ACTABLE GET ADDRESS OF ACT @OZ27300	K1162200
00003A	BED7 2029	00029		11953	STCM SAVE,7,ACTTQE+IPOST+1-ACTDSECT(WA) SET \$POST PCE ADDRESS	K1162500
00003E	5880 CAC8	00AC8		11954	L BASE3,=A(HASPCSY1) PICK UP BASE FOR S INIT LOGIC	K1163000
000042	960F D0B5	000B5		11955	OI COMMID+1,X'0F' INDICATE JOB ID NOT SET R4	K1163500
000046	950A B289	00289		11956	CLI \$NUMPTS,10 TEST PRINTER COUNT R4	K1164000
00004A	4740 8196	00196		11957	BL CSIRETI-HASPCSY1(,BASE3) BR IF LT 10 R4	K1164500
00004E	5830 CACC	00ACC		11958	L WB,=A(COFPRINT) GET TABLE ENTRY ADDRESS R4	K1165000
000052	9205 3003	00003		11959	MVI 3(WB),5 ADJUST TABLE ENTRY LENGTH VALUE R4	K1165500
000056	D201 3009 300A	00009 0000A		11960	MVC 9(2,WB),10(WB) CHANGE 'PRINTER' TO 'PRINTR' R41	K1166000
00005C	5830 CAD0	00AD0		11961	L WB,=A(COFPRDEV) GET TABLE ENTRY ADDRESS R4	K1166500
000060	9206 3000	00000		11962	MVI 0(WB),6 ADJUST TABLE LENGTH VALUE R4	K1167000
000064	D201 3006 3007	00006 00007		11963	MVC 6(2,WB),7(WB) CHANGE 'PRINTER' TO 'PRINTR' R4	K1167500
00006A	47F0 8196	00196		11964	B CSIRETI-HASPCSY1(,BASE3) ENTER S INIT SCAN	K1168000
00006E	47F0 C0FC	000FC		11966	COBTABLE B CONUL NEXT COMMAND	K1168500
000072	47F0 C0EE	000EE		11967	CORETOK B COROK REPLY OK ENTRY	K1169000
000076	4120 C110	00110		11968	CORETMSG LA WA,CONEXT SET RETURN TO GET NEXT CMB	K1169500
				11970	*****	K1169800
				11971	*	* K1169900
				11972	* WRITE-TO-OPERATOR SUBROUTINE	* K1170000
				11973	*	* K1170100
				11974	*****	K1170200
00007A	4110 0002	00002		11975	CWTO LA R1,2 SET COUNT ADJUSTMENT R4	K1170300
00007E	1A01			11976	AR R0,R1 UP COUNT	K1170500
				11977	\$WTO COMMID,(R0),MF=(EX,COMFLAG) SEND MESSAGE R4	K1171000
000080	4110 D0B4	000B4		11978+	LA R1,COMMID	CJ012000
000084	4200 D073	00073		11979+	STC R0,COMFLAG+3 SET MSG LENGTH R4	IP112000
000088	4100 D070	00070		11980+	LA R0,COMFLAG POINT TO PARAMETERS R4	IP114000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00008C	58F0 B0A4	000A4		11981+	L	R15,\$WTO POINT TO SERVICE ROUTINE	R4 IP116000
000090	45E0 F000	00000		11982+	BAL	LINK,0(,R15) ENTER SERVICE ROUTINE	R4 IP118000
000094	960F D0B5	000B5		11983	OI	COMMID+1,X'0F' INDICATE JOB ID NOT SET	R4 K1171500
000098	07F2			11984	BR	WA RETURN	K1172000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				11986	*****	K1172300
				11987	*	* K1172400
				11988	* WRITE-TO-OPERATOR (TRUNCATE MLWTO) SUBROUTINE	* K1172500
				11989	*	* K1172600
				11990	*****	K1172700
00009A	9110 D070	00070		11991	CWTOT TM COMFLAG,CMBFLAGU TEST FOR UCMID (OWN OR OTHER)	R4 K1172800
00009E	4780 C0E4	000E4		11992	BZ CWTOTW DO NORMAL \$WTO	K1173000
0000A2	9500 D077	00077		11993	CLI COMUCMA,0 MLWTO	R4 K1173500
0000A6	4780 C0E4	000E4		11994	BZ CWTOTW DO NORMAL \$WTO	K1174000
0000AA	9610 D078	00078		11995	OI COMLINET,X'10' SET END LINE INDICATOR	R4 K1174500
0000AE	1200			11996	LTR R0,R0 NULL LINE	K1175000
0000B0	4770 C0B6	000B6		11997	BNE CWTOTM SKIP NSI	K1175500
0000B4	0600			11998	BCTR R0,0 SET - 1	K1176000
0000B6	4110 0002	00002		11999	CWTOTM LA R1,2 SET COUNT ADJUSTMENT	R4 K1176500
0000BA	1A01			12000	AR R0,R1 UP COUNT	K1177000
				12001	\$WTO COMMID,(R0),MF=(EX,COMFLAG) SEND MESSAGE	R4 K1177500
0000BC	4110 D0B4	000B4		12002+	LA R1,COMMID	CJ012000
0000C0	4200 D073	00073		12003+	STC R0,COMFLAG+3 SET MSG LENGTH	R4 IP112000
0000C4	4100 D070	00070		12004+	LA R0,COMFLAG POINT TO PARAMETERS	R4 IP114000
0000C8	58F0 B0A4	000A4		12005+	L R15,\$WTO POINT TO SERVICE ROUTINE	R4 IP116000
0000CC	45E0 F000	00000		12006+	BAL LINK,0(,R15) ENTER SERVICE ROUTINE	R4 IP118000
0000D0	9680 D070	00070		12007	CWTOTNM OI COMFLAG,CMBFLAGC SET TYPE=SVC34 ON	R4 K1178000
0000D4	960F D0B5	000B5		12008	OI COMMID+1,X'0F' INDICATE JOB ID NOT SET	R4 K1178500
0000D8	9110 D070	00070		12009	TM COMFLAG,CMBFLAGU IS THIS UCMID	R4 K1179000
0000DC	0782			12010	BZR WA RETURN IF NOT	R4 K1179500
0000DE	9200 D078	00078		12011	MVI COMLINET,0 FORCE NO LINE TYPE	R4 K1180000
0000E2	07F2			12012	BR WA RETURN	K1180500
0000E4	1200			12013	CWTOTW LTR R0,R0 TEST FOR MESSAGE	K1181000
0000E6	4770 C0B6	000B6		12014	BNZ CWTOTM SEND MESSAGE IF PRESENT	K1181500
0000EA	47F0 C0D0	000D0		12015	B CWTOTNM SKIP MESSAGE	K1182000
				12017	*****	K1182300
				12018	*	* K1182400
				12019	* SEND '\$HASP000 OK' MESSAGE	* K1182500
				12020	*	* K1182600
				12021	*****	K1182700
0000EE	D201 D0B6 CAF4	000B6 00AF4		12022	COROK MVC COMMAND(2),=C'OK' SET OK MESSAGE	K1182800
0000F4	4100 0002	00002		12023	LA R0,2 SET LENGTH	K1183000
0000F8	47F0 C076	00076		12024	B CORETMSG SEND MESSAGE	K1183500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12026	*****	K1183800
				12027	*	* K1183900
				12028	* NULL RETURN - BYPASS \$WTO UNLESS UCMID AND END LINE	* K1184000
				12029	* INDICATOR SET	* K1184100
				12030	*	* K1184200
				12031	*****	K1184300
0000FC	1F00			12032	CONUL SLR R0,R0 SET DUMMY R4	K1184400
0000FE	0600			12033	BCTR R0,0 LENGTH - 1 R4	K1184500
000100	9110 D070	00070		12034	TM COMFLAG,CMBFLAGU UCMID R4	K1185000
000104	4780 C110	00110		12035	BZ CONEXT NO MLWTO IF NOT R4	K1185500
000108	9110 D078	00078		12036	TM COMLINET,X'10' END LINE INDICATOR SET R4	K1186000
00010C	4770 C076	00076		12037	BNZ CORETMSG SEND NULL MESSAGE	K1186500
				12038	*****	K1186800
				12039	*	* K1186900
				12040	* GET NEXT CMB	* K1187000
				12041	*	* K1187100
				12042	*****	K1187200
000110	5810 B274	00274		12043	CONEXT L R1,\$COMMQUE PICK UP FIRST COMMAND IN QUEUE	K1187300
000114	1211			12044	LTR R1,R1 TEST FOR EMPTY	K1187500
000116	4770 C1A0	001A0		12045	BNZ COWORK DO WORK IF NOT	K1188000
00011A	D207 D080 CA98	00080 00A98		12046	MVC COMACEID,=CL8' ' BLANK OUT CURRENT ACE ID	K1188500
000120	5870 B150	00150		12047	L WF,\$SSVT POINT TO SSVT	K1189000
			00000	12048	USING SSVT,WF	K1189500
000124	5910 72DC	002DC		12049	C R1,\$SVCOMMQ CHECK FOR EMPTY	K1190000
000128	4770 C158	00158		12050	BNZ COSSQUE IF NOT REMOVE CMBS	K1190500
00012C	5820 B234	00234		12051	L WA,\$ACTABLE POINT TO AUTOMATIC COMMAND TABLE	K1191000
000130	5830 2014	00014		12052	L WB,ACTACE-ACTDSECT(,WA) POINT TO POSSIBLE ACE	K1191500
000134	1233			12053	LTR WB,WB IS THERE ONE THERE	K1192000
000136	4770 C1D0	001D0		12054	BNZ COMACE ENTER AUTOMATIC SCHEDULER IF YES	K1192500
00013A	1F11			12055	COMNOACE SLR R1,R1 ZERO REG 1	K1193000
00013C	9200 72E8	002E8		12056	MVI \$SVCOMM,X'0' SIGNAL WE NEED POSTING	K1193500
000140	5910 72DC	002DC		12057	C R1,\$SVCOMMQ CHECK AGAIN	K1194000
000144	4770 C158	00158		12058	BNZ COSSQUE IF NOT EMPTY BR	K1194500
000148	9180 B468	00468		12059	TM \$COMPPE,X'80' TEST FOR SHUTDOWN WORK POST @OZ27300	K1194600
00014C	4710 C162	00162		12060	BO COSPJES2 BR IF YES @OZ27300	K1194700
				12061	\$WAIT WORK WAIT FOR WORK	K1195000
000150	9210 D050	00050		12062+	MVI PCEEF,\$EWFWORK SET INHIBITOR R4	IL046000
000154	45F0 B014	00014		12063+	BAL R15,\$WAITS WAIT FOR SPECIFIC PCE POST R4	IL084000
000158	5810 72DC	002DC		12064	COSSQUE L R1,\$SVCOMMQ POINT TO WORK	K1195500
			00000	12065	USING CMBDSECT,R1	K1196000
00015C	1211			12066	COSSQUEA LTR R1,R1 TEST FOR ZERO	K1196500
00015E	4770 C17A	0017A		12067	BNZ COSSDQUE BR IF QUEUE NOT EMPTY @OZ27300	K1196600
000162	947F B468	00468		12069	COSPJES2 NI \$COMPPE,FF-X'80' RESET SHUTDOWN WORK POST @OZ27300	K1196800
000166	9104 B427	00427		12070	TM \$STATUS,\$SYSEXIT SHUTDOWN IN PROGRESS... @OZ27300	K1196900
00016A	4780 C110	00110		12071	BZ CONEXT BR IF NO @OZ27300	K1197000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12073	*****@OZ27300	K1197200
				12074	*	@OZ27300 K1197300
				12075	* JES2 SHUTDOWN IN PROGRESS -- RE-ENTER \$PJES2 SUPPORT	@OZ27300 K1197400
				12076	*	@OZ27300 K1197500
				12077	*****@OZ27300	K1197600
00016E	4810 CAF6	00AF6		12079	LH R1,=Y(CPJES2-HASPCSY1) SET UP ENTRY	@OZ27300 K1197800
000172	5880 CAC8	00AC8		12080	L BASE3,=A(HASPCSY1) REGISTERS	@OZ27300 K1197900
000176	1E18			12081	ALR R1,BASE3 AND RE-ENTER	@OZ27300 K1198000
000178	07F8			12082	BR BASE3 \$PJES2 SUPPORT	@OZ27300 K1198100
00017A	1F00			12084	COSSDQUE SLR R0,R0 ZERO END POINTER	@OZ27300 K1198300
00017C	BA10 72DC	002DC		12085	CS R1,R0,\$SVCOMMQ REMOVE ALL CMBS FROM QUEUE	@OZ27300 K1198400
000180	4770 C15C	0015C		12086	BNZ COSSQUEA LOOP	K1198500
000184	5820 B274	00274		12087	L WA,\$COMMQUE PICK UP OLD WORK POINTER	K1199000
000188	5830 1000	00000		12088	COSSQUEL L WB,CMBCMB POINT TO NEXT	R4 K1199500
00018C	5020 1000	00000		12089	ST WA,CMBCMB SET NEW NEXT	R4 K1200000
000190	1821			12090	LR WA,R1 SWITCH POINTERS	K1200500
000192	1213			12091	LTR R1,WB AND TEST FOR MORE	K1201000
000194	4770 C188	00188		12092	BNZ COSSQUEL LOOP IF MORE	K1201500
000198	5020 B274	00274		12093	ST WA,\$COMMQUE SET WORK QUEUE	K1202000
00019C	47F0 C110	00110		12094	B CONEXT BACK TO TOP	K1202500
0001A0	D203 B274 1000	00274 00000		12095	COWORK MVC \$COMMQUE,CMBCMB REMOVE FORM QUEUE	R4 K1203000
0001A6	5880 CAD4	00AD4		12096	L BASE3,=A(HASPCOME) ADDRESS OF EDIT ROUTINE	K1203500
0001AA	07F8			12097	BR BASE3 GO TO EDIT PROCESSOR	K1204000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12099	DROP R1	K1204500
				12100	DROP WF	K1205000
		00000	12101		USING JQEDSECT,R1 RESTORE JQE ADDRESSABILITY	K1205500
				12103	*****	K1205700
				12104	*	* K1205800
				12105	* CORET - RETURN HERE FROM COMMAND PROCESSORS WITH R15 =	* K1205900
				12106	* X'00' - NULL RETURN DESIRED (CONUL)	* K1206000
				12107	* X'04' - '\$HASP000 OK' MESSAGE DESIRED (COROK)	* K1206100
				12108	* X'08' - \$WTO DESIRED - MSG IN 'COMMAND' (CORETMSG)	* K1206200
				12109	*	* K1206300
				12110	*****	K1206400
0001AC	9110 D070	00070		12111	CORET TM COMFLAG,CMBFLAGU TEST FOR UC MID R4	K1206500
0001B0	478F C06E	0006E		12112	BZ COBTABLE(R15) RETURN TO FUNCTION IF NO	K1206600
0001B4	9500 D077	00077		12113	CLI COMUCMA,0 TEST FOR MLWTO R4	K1207000
0001B8	478F C06E	0006E		12114	BZ COBTABLE(R15) RETURN TO FUNCTION IF NO	K1207500
0001BC	9180 D070	00070		12115	TM COMFLAG,CMBFLAGC THIS COMMAND PHASE R4	K1208000
0001C0	471F C06E	0006E		12116	BO COBTABLE(R15) RETURN TO FUNCTION IF YES R4	K1208500
0001C4	9610 D078	00078		12117	OI COMLINET,X'10' SET END LINE INDICATOR R4	K1209000
0001C8	47FF C06E	0006E		12118	B COBTABLE(R15) RETURN TO FUNCTION	K1209500

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

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12121 ***** K1211000
12122 * K1211500
12123 * REDIRECTION VALUES FOR DISPLAY COMMANDS * K1212000
12124 * K1212500
12125 ***** K1213000
00004 12126 $D7D EQU 4 K1213500
00001 12127 $DA EQU 1 K1214000
00002 12128 $DF EQU 2 K1214500
00003 12129 $DI EQU 3 K1215000
00004 12130 $DJ EQU 4 K1215500
00005 12131 $DN EQU 5 K1216000
00006 12132 $DO EQU 6 K1216500
00007 12133 $DQ EQU 7 K1217000
00004 12134 $DS EQU 4 K1217500
00004 12135 $DT EQU 4 K1218000
00008 12136 $DU EQU 8 K1218500
    
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22	
			0023C	12138	CDFJOT	EQU \$JOTABLE	JOB OUTPUT TABLE POINTER	K1219500
0001CC	00000000			12139	CPSEXIT	DC V(\$HEXIT)	ENTRY TO EXIT ROUTINE	K1220000
			0000C	12140	COWTO	EQU CWTO-COBTABLE	COMPUTE OFFSET TO \$WTO ENTRY	K1220500
			00000	12141	CORTNORM	EQU COBTABLE-COBTABLE	COMPUTE OFFSET TO NULL RETURN	K1221000
			00004	12142	CORTOK	EQU CORETOK-COBTABLE	COMPUTE OFFSET TO 'OK' REPLY	K1221500
			00008	12143	CORTMSG	EQU CORETMSG-COBTABLE	COMPUTE OFFSET TO MSG REPLY	K1222000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22	
				12145	*****	K1223000	
				12146	*	* K1223500	
				12147	* ACE SCHEDULER	* K1224000	
				12148	*	* K1224500	
				12149	* INPUT REGISTERS -	* K1225000	
				12150	*	* K1225500	
				12151	* WA = ACT ADDRESS	* K1226000	
				12152	* WB = FIRST ACTIVE ACE ADDRESS	* K1226500	
				12153	*	* K1227000	
				12154	*****	K1227500	
		00000		12155	USING ACTDSECT,WA	K1228000	
		00000		12156	USING ACEDSECT,WB	K1228500	
0001D0				12157	COMACE DS 0H	K1229000	
				12158	*****	K1229400	
				12159	* TEST FOR OLD BASE TIME WANT ACTION	* K1229500	
				12160	*****	K1229600	
0001D0	5800	2008	00008	12161	L R0,ACTTIME GET LAST RECORDED TIME (SEC)	K1230000	
0001D4	5900	300C	0000C	12162	C R0,ACETIME CHECK EXPIRED	K1230500	
0001D8	47B0	C228	00228	12163	BNL COMACEWK DO WORK IF YES @OZ27972	K1231000	
				12164	*****	K1231400	
				12165	* TEST TIMER ACTIVE - GET NEW BASE TIME IF NOT	* K1231500	
				12166	*****	K1231600	
0001DC	9180	2028	00028	12167	TM ACTTQE+IPOST,X'80' TEST FOR TIMER EXPIRED	K1232000	
0001E0	4780	C13A	0013A	12168	BZ COMNOACE WAIT FOR EXPIRE	K1232500	
0001E4	45E0	C33A	0033A	12169	BAL LINK,COMACETR GET NEW TIME REFERENCE	K1233000	
0001E8	47F0	C2E4	002E4	12170	B COMACECN IF CLOCK OUT DO \$Z +0	K1233500	
				12171	*****	K1233900	
				12172	* TRY NEW BASE TIME	* K1234000	
				12173	*****	K1234100	
0001EC	5830	2014	00014	12174	L WB,ACTACE PICK UP ACE +4	K1234500	
0001F0	5800	2008	00008	12175	L R0,ACTTIME GET BASE TIME	K1235000	
0001F4	5900	300C	0000C	12176	C R0,ACETIME CHECK FOR EXPIRED NOW	K1235500	
0001F8	47B0	C228	00228	12177	BNL COMACEWK DO WORK IF YES @OZ27972	K1236000	
0001FC	D703	2030	00030	00030	12178	XC ACTMDELT,ACTMDELT ZERO MAXIMUM DELAY TIME	K1236500
000202	5810	300C	0000C	12179	L R1,ACETIME PICK UP TIME OF ACE	K1237000	
000206	1100			12180	LNR R0,R0 - CURRENT TIME	K1237500	
000208	1A01			12181	AR R0,R1 EXPIRE TIME - CURRENT TIME	K1238000	
00020A	5900	202C	0002C	12182	C R0,ACTMINTV COMPARE WITH MAXIMUM	K1238500	
00020E	47D0	C216	00216	12183	BNH COMACET IF OK SET TIMER	K1239000	
000212	5800	202C	0002C	12184	L R0,ACTMINTV SET MAXIMUM	K1239500	
000216	5000	2024	00024	12185	COMACET ST R0,ACTTQE+ITIME SET TIMER	K1240000	
				12186	\$STIMER ACTTQE QUEUE IT	K1240500	
00021A	4110	2020	00020	12187+	LA R1,ACTTQE	CJ012000	
00021E	58E0	B0D4	000D4	12188+	L R14,\$STIMERA LOAD ADDR OF \$STIMER @OZ40444	HL009000	
000222	05EE			12189+	BALR R14,R14 AND LINK TO IT @OZ40444	HL010000	
000224	47F0	C13A	0013A	12190	B COMNOACE EXIT	K1241000	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12192	*****	K1242000
				12193	*	* K1242500
				12194	* SCHEDULE AUTOMATIC COMMAND	* K1243000
				12195	*	* K1243500
				12196	*****	K1244000
				12197	COMACEWK \$GETCMB NUMCMB=1,COUNT=1 GET A CMB AND COUNT ONE	K1244500
000228	4110 0001	00001		12198+	COMACEWK LA R1,1	CJ012000
00022C	4100 0001	00001		12199+	LA R0,1	CJ012000
000230	58F0 B0B4	000B4		12200+	L R15,\$GETCMB POINT TO \$GETCMB ROUTINE	DJ012000
000234	05EF			12201+	BALR LINK,R15 ENTER IT	DJ014000
000236	4780 C2B8	002B8		12202	BZ COMACENC DELAY IF NO CMB	K1245000
		00000		12203	USING CMBDSECT,R1	K1245500
				12204	*****	K1245900
				12205	* FILL IN CMB AND QUEUE IT	* K1246000
				12206	*****	K1246100
00023A	D20D 1004 C32B	00004	0032B	12207	MVC CMBFLAG(14),COMAMASK SET BASIC MASK	R4 K1246500
000240	D100 1004 3004	00004	00004	12208	MVN CMBFLAG,ACEFLAG SET RESTRICTIONS	R4 K1247000
000246	D201 1012 B424	00012	00424	12209	MVC CMBFM,\$SYSID SET FROM SYSTEM IDENTIFICATION	R4 K1247500
00024C	D200 100A 3005	0000A	00005	12210	MVC CMBUCM,ACECON SET DEFAULT CONSOLE	R4 K1248000
000252	D24F 1014 3010	00014	00010	12211	MVC CMBMSG(L'ACETEXT),ACETEXT SET TEXT	R4 K1248500
000258	5010 B274	00274		12212	ST R1,\$COMMQUE SET INTO WORK QUEUE (CHAIN 0)	K1249000
00025C	D207 D080 CAA0	00080	00AA0	12213	MVC COMACEID,=CL8'ID=****' SET ACE ID IN PCE	K1249500
000262	D203 D083 3006	00083	00006	12214	MVC COMACEID+3(4),ACEID SET IDENTIFICATION	K1250000
000268	D500 3005 B3F8	00005	003F8	12215	CLC ACECON,\$ZEROES IS UCMID SPECIFIED	@OZ60086 K1250500
00026E	4770 C28C	0028C		12216	BNE COMACEDS YES BYPASS	@OZ60086 K1250550
000272	58F0 0010	00010		12217	L R15,CVTPTR SET ADDRESS OF CVT	@OZ60086 K1250600
000276	58F0 F064	00064		12218	L R15,CVTCUCB-CVT(,R15) ADDR OF UCM BASE	@OZ60086 K1250650
00027A	5FF0 CAD8	00AD8		12219	SL R15,=F'4' ADDR OF MCS PREFIX PTR	@OZ60086 K1250700
00027E	58F0 F000	00000		12220	L R15,UCMPRFXP-UCMPRFXP(,R15) ADD OF MCS PREFIX	@OZ60086 K1250750
000282	58F0 F000	00000		12221	L R15,UCMMCEN-UCMPRFX(,R15) ADD OF MSTR CON UCM	@OZ60086 K1250800
000286	D200 100A F01A	0000A	0001A	12222	MVC CMBUCM,UCMID-UCMLIST(R15) SET MSTR CNCL UCMID	@OZ60086 K1250850
				12223	*****	K1250900
				12224	* DISPOSE OF ACE	* K1251000
				12225	*****	K1251100
00028C	D203 2014 3000	00014	00000	12226	COMACEDS MVC ACTACE,ACEACE REMOVE ACE FROM ACTIVE	@OZ60086 K1251200
000292	1F00			12227	SLR R0,R0 ZERO R0 FOR INSERT	K1251500
000294	BF03 300A	0000A		12228	ICM R0,3,ACEINTV PICK UP INTERVAL	K1252000
000298	4780 C2AA	002AA		12229	BZ COMACEFR IF NOT INTERVAL FREE IT	K1252500
00029C	5A00 2008	00008		12230	A R0,ACTTIME ADD BASE TIME	K1253000
0002A0	1813			12231	LR R1,WB POINT TO ACE	K1253500
0002A2	45E0 C404	00404		12232	BAL LINK,COMAADD ADD TO ACTIVE QUEUE	K1254000
0002A6	47F0 C110	00110		12233	B CONEXT EXIT (TIMER WILL BE SET)	K1254500
0002AA	D203 3000 201C	00000	0001C	12234	COMACEFR MVC ACEACE,ACTACEF PUT FREE QUEUE BEHIND	K1255000
0002B0	5030 201C	0001C		12235	ST WB,ACTACEF SET FREE QUEUE	K1255500
0002B4	47F0 C110	00110		12236	B CONEXT EXIT	K1256000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12238	*****	K1256500
				12239	*	* K1257000
				12240	* OUT OF CMBS - ACT UPON DELAY	* K1257500
				12241	*	* K1258000
				12242	*****	K1258500
0002B8	BF0F 2030	00030		12243	COMACENC ICM R0,15,ACTMDELT CHECK DELAY ACTIVE	K1259000
0002BC	4770 C2DC	002DC		12244	BNZ COMACEDC IF ACTIVE CHECK EXCEEDED	K1259500
0002C0	5800 2034	00034		12245	L R0,ACTMDELI PICK UP DELAY INTERVAL	K1260000
0002C4	5A00 2008	00008		12246	A R0,ACTTIME ADD CURRENT TIME	K1260500
0002C8	5000 2030	00030		12247	ST R0,ACTMDELT SET TIME	K1261000
0002CC	4100 000A	0000A		12248	COMACEWT LA R0,10 SET 10 SECONDS	K1261500
0002D0	9180 2028	00028		12249	TM ACTTQE+IPOST,X'80' TIMER EXPIRED	K1262000
0002D4	4710 C216	00216		12250	BO COMACET SET TIMER	K1262500
0002D8	47F0 C13A	0013A		12251	B COMNOACE EXIT	K1263000
0002DC	5900 2008	00008		12252	COMACEDC C R0,ACTTIME CHECK TOO LONG OF DELAY	K1263500
0002E0	4740 C2CC	002CC		12253	BL COMACEWT CHECK TIMER IF NOT	K1264000
0002E4	D203 2018 2014	00018 00014		12254	COMACECN MVC ACTACEZ,ACTACE FORCE	K1264500
0002EA	D703 2014 2014	00014 00014		12255	XC ACTACE,ACTACE \$ZA	K1265000
0002F0	9680 2038	00038		12256	OI ACTFLAG,ACTFLAGZ SET FLAG	K1265500
0002F4	D703 2030 2030	00030 00030		12257	XC ACTMDELT,ACTMDELT ZERO DELAY	K1266000
				12258	\$WTO COMACEM,COMACEML,JOB=NO, SEND DIAGNOSTIC	CK1266500
					ROUTE=\$ALL,CLASS=\$ALWAYS,PRI=\$ST	K1267000
0002FA	4110 C310	00310		12259+	LA R1,COMACEM	CJ012000
0002FE	58F0 B0A4	000A4		12260+	L R15,\$WTO POINT TO SERVICE ROUTINE	R4 IP084000
000302	05EF			12261+	BALR LINK,R15 ENTER SERVICE ROUTINE	R4 IP086000
000304	01743F1B			12262+	DC AL1(1,\$ALWAYS+\$ST,\$ALL,COMACEML)	R4 IP088000
000308	45E0 C43A	0043A		12263	BAL LINK,COMACEKT KILL TIMER	K1267500
00030C	47F0 C13A	0013A		12264	B COMNOACE EXIT	K1268000
				12266	COMACEM \$MSG 002,'AUTOMATIC COMMANDS HALTED',SYMB=COMACEMT	K1268500
000310				12267+	\$MID002 DC 0AL4(\$MID002) MESSAGE IDENTIFIER	EU056000
000310	002FC1E4E3D6D4C1			12268+	COMACEM DC 0CL27' ',X'002F',C'AUTOMATIC COMMANDS HALTED'	E0028000
		00312		12269+	COMACEMT EQU COMACEM+2,25	E0034000
		0001B		12270	COMACEML EQU *-COMACEM	K1269000
				12271	COMAMASK \$WTO ,L'ACETEXT,MF=LX,JOB=NO,TYPE=SVC34,UCM=YES,	R4CK1269500
					CLASS=\$ALWAYS,PRI=\$HI	R4 K1270000
00032B	9077005000000000			12272+	COMAMASK DC AL1(144,\$ALWAYS+\$HI,0,L'ACETEXT),AL2(*-,0,*-,0,0)	R4 IP138000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12274	*****	K1271000
				12275	*	* K1271500
				12276	* SUBROUTINE TO GET TIME OF DAY AND ADJUST BASES	* K1272000
				12277	*	* K1272500
				12278	* REGISTERS -	* K1273000
				12279	*	* K1273500
				12280	* R0 = WORK	* K1274000
				12281	* R1 = WORK	* K1274500
				12282	* WA = ACT ADDRESS	* K1275000
				12283	* WB = WORK	* K1275500
				12284	* LINK = RETURN (LINK+0= ERROR, LINK+4= OK)	* K1276000
				12285	* R15 = WORK	* K1276500
				12286	*	* K1277000
				12287	*****	K1277500
000339	00					
00033A	50E0 D00C	0000C		12288	COMACETR ST LINK,PCELINK SAVE REGISTER 14	K1278000
				12289	TIME MIC,ACTD TIME GET OS TIME OF DAY	K1278500
				12290+*	/* MACDATE Y-1 72277 */	02050002
				12291+*	/*	02100002
00033E	4110 0003	00003		12292+	LA 1,3(0,0) LOAD 1 TO SPECIFY UNIT	22000002
000342	4100 2000	00000		12293+	LA 0,ACTD TIME 20071	26000002
000346	0A0B			12294+	SVC 11 ISSUE TIME SVC	35000002
000348	58E0 D00C	0000C		12295	L LINK,PCELINK PUT LINK BACK	K1279000
00034C	12FF			12296	LTR R15,R15 DID CLOCK GO OK	K1279500
00034E	4770 C37C	0037C		12297	BNZ COMACENT ERROR RETURN	K1280000
000352	98EF 2000	00000		12298	LM R14,R15,ACTD TIME GET TOTAL TIME	K1280500
000356	8CE0 000C	0000C		12299	SRDL R14,32-20 ALIGN MICRO SECS IN RIGHT SIDE	K1281000
00035A	5DE0 CADC	00ADC		12300	D R14,=F'1000000' GET NUMBER OF SECONDS	K1281500
00035E	180F			12301	LR R0,R15 INTO R0	K1282000
000360	58E0 D00C	0000C		12302	L LINK,PCELINK PUT LINK BACK	K1282500
000364	5900 2008	00008		12303	C R0,ACT TIME CHECK AGAINST PREVIOUS TIME	K1283000
000368	4740 C382	00382		12304	BL COMACEND IF LOW PROBABLY NEW DAY	K1283500
00036C	5910 200C	0000C		12305	C R1,ACT DATE CHECK BASE DATE	K1284000
000370	4770 C382	00382		12306	BNE COMACEND CHECK NEXT DAY IF NOT SAME	K1284500
000374	5000 2008	00008		12307	ST R0,ACT TIME SET TIME	K1285000
000378	47F0 E004	00004		12308	B 4(0,LINK) RETURN OK	K1285500
00037C	9001 2008	00008		12309	COMACENT STM R0,R1,ACT TIME+ACT DATE-ACT DATE SET TIME AND DATE	K1286000
000380	07FE			12310	BR LINK RETURN ERROR	K1286500
				12311	*****	K1286900
				12312	* CALCULATE BINARY CENTURY DATE	* K1287000
				12313	*****	K1287100
000382	58F0 2010	00010		12314	COMACEND L R15,ACT DATEB PICK UP DATE	K1287500
000386	9001 2008	00008		12315	STM R0,R1,ACT TIME+ACT DATE-ACT DATE SET NEW VALUES	K1288000
00038A	D707 2000 2000	00000 00000		12316	XC ACTD WORK,ACTD WORK ZERO WORK	K1288500
000390	1801			12317	LR R0,R1 COPY R1	K1289000
000392	8800 000C	0000C		12318	SRL R0,12 ALIGN YYX TO RIGHT	K1289500
000396	5000 2004	00004		12319	ST R0,ACTD WORK+4 RELYING ON OS	K1290000
00039A	960F 2007	00007		12320	OI ACTD WORK+7,X'0F' TO PROVIDE VALID DATA	K1290500
00039E	4FE0 2000	00000		12321	CVB LINK,ACTD WORK CONVERT TO BINARY	K1291000
0003A2	4100 E003	00003		12322	LA R0,3(0,LINK) COPY AND ADJUST FOR LEAP YEARS	K1291500
0003A6	4CE0 CAF8	00AF8		12323	MH LINK,=H'365' DAYS IN CENTURY OF NEW YEAR	K1292000
0003AA	8800 0002	00002		12324	SRL R0,2 ACCOUNT FOR	K1292500
0003AE	1AE0			12325	AR LINK,R0 LEAP YEAR	K1293000
0003B0	5010 2004	00004		12326	ST R1,ACTD WORK+4 GET READY FOR DAY	K1293500
0003B4	9200 2005	00005		12327	MVI ACTD WORK+4+1,0 ZERO YY	K1294000
0003B8	4F10 2000	00000		12328	CVB R1,ACTD WORK PUT DAY IN	K1294500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0003BC	1A1E			12329	AR R1, LINK	K1295000
0003BE	0610			12330	BCTR R1, 0	K1295500
0003C0	58E0 D00C	0000C		12331	L LINK, PCELINK	K1296000
				12332	*****	K1296400
				12333	* SEE IF NEXT DAY	* K1296500
				12334	*****	K1296600
0003C4	D703 2030 2030	00030 00030		12335	XC ACTMDELT, ACTMDELT	K1297000
0003CA	5010 2010	00010		12336	ST R1, ACTDATEB	K1297500
0003CE	0610			12337	BCTR R1, 0	K1298000
0003D0	191F			12338	CR R1, R15	K1298500
0003D2	077E			12339	BNER LINK	K1299000
				12340	*****	K1299400
				12341	* ADJUST ALL ELEMENTS BY 24 HOURS	* K1299500
				12342	*****	K1299600
0003D4	5800 CAE0	00AE0		12343	L R0, =A(60*60*24)	K1300000
0003D8	BF3F 2014	00014		12344	ICM WB, 15, ACTACE	K1300500
0003DC	4770 C3E8	003E8		12345	BNZ COMACEAL	K1301000
0003E0	BF3F 2018	00018		12346	ICM WB, 15, ACTACEZ	K1301500
0003E4	4780 E004	00004		12347	BZ 4(0, LINK)	K1302000
0003E8	5810 300C	0000C		12348	COMACEAL L R1, ACETIME	K1302500
0003EC	1B10			12349	SR R1, R0	K1303000
0003EE	47B0 C3F4	003F4		12350	BNM *+6	K1303500
0003F2	1F11			12351	SLR R1, R1	K1304000
0003F4	5010 300C	0000C		12352	ST R1, ACETIME	K1304500
0003F8	BF3F 3000	00000		12353	ICM WB, 15, ACEACE	K1305000
0003FC	4770 C3E8	003E8		12354	BNZ COMACEAL	K1305500
000400	47F0 E004	00004		12355	B 4(0, LINK)	K1306000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12357	*****	K1307000
				12358	*	* K1307500
				12359	* SUBROUTINE TO ADD AN ACE TO CHAIN	* K1308000
				12360	*	* K1308500
				12361	* REGISTERS -	* K1309000
				12362	*	* K1309500
				12363	* R0 = TIME OF ACE	* K1310000
				12364	* R1 = ACE ADDRESS	* K1310500
				12365	* WA = ACT ADDRESS	* K1311000
				12366	* WB = WORK	* K1311500
				12367	* LINK = RETURN	* K1312000
				12368	* R15 = WORK	* K1312500
				12369	*	* K1313000
				12370	*****	K1313500
000404	4130 2014	00014		12371	COMAADD LA WB,ACTACE-(ACEACE-ACEDSECT) POINT TO HEAD OF CHAIN	K1314000
000408	9180 2038	00038		12372	TM ACTFLAG,ACTFLAGZ TEST FOR HALTED	K1314500
00040C	4780 C414	00414		12373	BZ COMAADDL BR IF NOT HALTED	K1315000
000410	4130 2018	00018		12374	LA WB,ACTACEZ-(ACEACE-ACEDSECT) POINT TO HEAD OF HALTED	K1315500
000414	18F3			12375	COMAADDL LR R15,WB COPY POINTER	K1316000
000416	5830 3000	00000		12376	L WB,ACEACE POINT TO NEXT ACE	K1316500
00041A	1233			12377	LTR WB,WB CHECK FOR END	K1317000
00041C	4780 C428	00428		12378	BZ COMAADDQ QUEUE IT NOW IF YES	K1317500
000420	5900 300C	0000C		12379	C R0,ACETIME CHECK FOR TIME SEQUENCE	K1318000
000424	47B0 C414	00414		12380	BNL COMAADDL LOOP	K1318500
000428	5010 F000	00000		12381	COMAADDQ ST R1,ACEACE-ACEDSECT(,R15) CHAIN TO PREVIOUS	K1319000
00042C	5030 1000	00000		12382	ST WB,ACEACE-ACEDSECT(,R1) PUT HIGHER TIMES BEHIND	K1319500
000430	5000 100C	0000C		12383	ST R0,ACETIME-ACEDSECT(,R1) SET TIME	K1320000
000434	5910 2014	00014		12384	C R1,ACTACE IS THIS ONE FIRST	K1320500
000438	077E			12385	BNER LINK RETURN	K1321000
00043A	9180 2028	00028		12386	COMACEKT TM ACTTQE+IPOST,X'80' TEST TIMER ACTIVE	K1321500
00043E	071E			12387	BOR LINK RETURN	K1322000
000440	183E			12388	LR WB,LINK SAVE LINK REGISTER	K1322500
				12389	\$TTIMER ACTTQE,CANCEL CANCEL TIMER	K1323000
000442	4110 2020	00020		12390+	LA R1,ACTTQE	CJ012000
000446	1311			12391+	LCR R1,R1 COMPLEMENT TO INDICATE 'CANC@OZ40444	ID012000
000448	58E0 B0D8	000D8		12392+	L R14,\$TTIMERA LOAD ADDR OF \$TTIMER @OZ40444	ID013000
00044C	05EE			12393+	BALR R14,R14 AND LINK TO IT @OZ40444	ID014000
00044E	9680 2028	00028		12394	OI ACTTQE+IPOST,X'80' SET EXPIRED	K1323500
000452	18E3			12395	LR LINK,WB RESTORE LINK	K1324000
000454	07FE			12396	BR LINK RETURN	K1324500
				12397	DROP WA,WB	K1325000
		00000		12398	USING JQEDSECT,R1	K1325500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				12400	COFCVB \$CFCVB TYPE=RES,INFO=YES .		K1326500
				12402+	*****		K0174500
				12403+			* K0175000
				12404+	COFCVB -- CONVERT TO BINARY		* K0175500
				12405+			* K0176000
				12406+	ROUTINE CONVERTS A PAIR OF NUMBERS OF THE FORM		* K0176500
				12407+			* K0177000
				12408+	TEXTN1-N2 WHERE		* K0177500
				12409+	TEXT = OPTIONAL TEXT IDENTIFIERS JOB, PRT, RM ETC.		* K0178000
				12410+	N1 = FIRST OF A SERIES OF NUMBERS LT 10000 IN VALUE		* K0178500
				12411+	N2 = OPTIONAL LAST OF A SERIES OF NUMBERS LT 10000.		* K0179000
				12412+	IN A SERIES OF VALUES, N1-N2-N3-N4, THE LAST TWO VALUES		* K0179500
				12413+	ARE CONSIDERED TO BE START-STOP VALUES.		* K0180000
				12414+	THE MEANING OF THE START-STOP VALUES FOR EXAMPLE 1-5 ARE		* K0180500
				12415+	THE USER DESIRES AN OPERATION PERFORMED ON JOB OR FACILITY		* K0181000
				12416+	TYPE INDICATED, NUMBERS 1, 2, 3, 4, AND 5.		* K0181500
				12417+			* K0182000
				12418+	NO \$WAITS ARE ISSUED.		* K0182500
				12419+			* K0183000
				12420+	REGISTERS USED		* K0183500
				12421+	R0 = ACCUMULATOR - STOP VALUE		* K0184000
				12422+	R1 = ADDRESS OF OPERAND POINTER -- START VALUE		* K0184500
				12423+	LINK = LINK REGISTER		* K0185000
				12424+	R15 = WORK REGISTER		* K0185500
				12425+			* K0186000
				12426+	EXITS		* K0186500
				12427+	LINK+0 OPERAND DOES NOT CONTAIN NUMERIC OR NUMERIC TOO LARGE		* K0187000
				12428+	LINK+4 NORMAL EXIT		* K0187500
				12429+			* K0188000
				12430+	NOTES		* K0188500
				12431+	R1 VALUE IS EQUAL TO R0 IF USER REQUESTS NUM=2 AND ONLY		* K0189000
				12432+	ONE VALUE IS PRESENT. IF NUM=1 IS USED R1 VALUE IS		* K0189500
				12433+	UNPREDICTABLE. (NUM=1 MAY BE IGNORED).		* K0190000
				12434+			* K0190500
				12435+	*****		K0191000
000456				12436+	COFCVB DS 0H		Z0006000
000456	58F0	1000	00000	12437+	L R15,0(0,R1) PICK UP FIRST PARAMETER		K0200000
00045A	95F0	F000	00000	12438+	COF0192K CLI 0(R15),C'0' CHARACTER NUMERIC...	R41	K0200500
00045E	47B0	C470	00470	12439+	BNL COF0192L IF NUMERIC, CONVERT	R4	K0201000
000462	41F0	F001	00001	12440+	LA R15,1(0,R15) NEXT CHARACTER		K0201500
000466	BDF7	1005	00005	12441+	CLM R15,7,5(R1) DID WE GO TOO FAR	R4	K0202000
00046A	4740	C45A	0045A	12442+	BL COF0192K LOOP IF NO	R41	K0202500
00046E	07FE			12443+	BR LINK RETURN INVALID OPERAND		K0203000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12445+	*****	K0203400
				12446+	* CONVERT PAIR OF START STOP VALUES	* K0203500
				12447+	*****	K0203600
000470	1F00			12448+	COF0192L SLR R0,R0 ZERO ACCUMULATOR, STOP VALUE	K0204000
000472	5000 D0A8	000A8		12449+	ST R0,COMFWORK CLEAR WORK AREA FOR CONVERT	K0204500
000476	111F			12450+	LNR R1,R15 SET NEGATIVE FLAGS	K0205500
000478	D100 D0A9 F000	000A9	00000	12451+	COF0192C MVN COMFWORK+1(1),0(R15) MOVE NUMERIC TO WORK AREA	K0206500
00047E	4C00 CAFA	00AFA		12452+	MH R0,=H'10' MULTIPLY BY TEN FOR TEN'S DIGIT	K0207000
000482	4A00 D0A8	000A8		12453+	AH R0,COMFWORK ADD LOW DIGIT	K0207500
000486	4900 CAFD	00AFD		12454+	CH R0,=H'9999' LOOK FOR MAXIMUM JOB NUMBR	K0208000
00048A	072E			12455+	BCR H,LINK RETURN INVALID OPERAND	K0208500
00048C	41F0 F001	00001		12456+	COF0192N LA R15,1(0,R15) NEXT CHARACTER	K0209000
000490	95F0 F000	00000		12457+	CLI 0(R15),C'0' TEST FOR NUMERIC (FA-FF INCLUDED)	K0209500
000494	47B0 C478	00478		12458+	BNL COF0192C IF NUMERIC, CONVERT THE CHARACTER R4	K0210000
000498	9560 F000	00000		12459+	CLI 0(R15),C'-' LOOK FOR SEPARATOR	K0211000
00049C	4780 C4AC	004AC		12460+	BE COF01920 BR IF YES TO CONVERT NEXT VALUE R41	K0211500
0004A0	1510			12461+	CLR R1,R0 TEST FOR BOTH VALUES	K0212000
0004A2	47D0 E004	00004		12462+	BNH 4(0,LINK) RETURN WITH CONVERTED VALUES	K0212500
0004A6	1810			12463+	LR R1,R0 SET TO SAME	K0213000
0004A8	47F0 E004	00004		12464+	B 4(0,LINK) RETURN WITH CONVERTED VALUES	K0213500
0004AC	95F0 F001	00001		12465+	COF01920 CLI 1(R15),C'0' NEXT CHARACTER NUMERIC... R41	K0214000
0004B0	074E			12466+	BLR LINK RETURN INVALID OPERAND IF NO R41	K0214100
0004B2	1810			12467+	LR R1,R0 SET START OF STRING R41	K0214200
0004B4	1F00			12468+	SLR R0,R0 PREPARE FOR NEXT	K0214500
0004B6	47F0 C48C	0048C		12469+	B COF0192N CONVERT NEXT VALUE OF SET R4	K0215000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22		
				12471	COFCVE \$CFCVE TYPE=RES,INFO=YES .	K1327500		
				12473+	*****	K0223000		
				12474+	*	K0223500		
				12475+	COFCVE -- CONVERT TO EBCDIC	* K0224000		
				12476+	*	K0224500		
				12477+	ROUTINE CONVERTS A HALF WORD BINARY NUMBER LOCATED	* K0225000		
				12478+	AT ADDRESS 'VALUE'. ANSWER WILL BE IN FIRST FIVE	* K0225500		
				12479+	CHARACTERS OF COMDWORK.	* K0226000		
				12480+	NO \$WAITS ARE ISSUED.	* K0226500		
				12481+	*	K0227000		
				12482+	REGISTERS USED	* K0227500		
				12483+	R0 = VALUE TO BE CONVERTED	* K0228000		
				12484+	LINK = RETURN LINKAGE	* K0228500		
				12485+	*	K0229000		
				12486+	NOTES	* K0229500		
				12487+	COMDWORK - COMDWORK AREAS ARE USED FOR SCRATCH	* K0230000		
				12488+	*	K0230500		
				12489+	*****	K0231000		
0004BA				12490+	COFCVE DS 0H	Z0006000		
				12491+	*****	K0234400		
				12492+	CONVERT TO EBCDIC AND LEAVE ANSWER IN COMDWORK (5 DIGITS)	* K0234500		
				12493+	*****	K0234600		
0004BA	4E00	D090	00090	12494+	CVD R0,COMDWORK CONVERT TO DECIMAL	K0235000		
0004BE	D205	D08F	CAFE	0008F	00AFE	12495+	MVC COMDWORK-1(6),=X'402020202120' MOVE MASK FOR RESULT	K0235500
0004C4	DE05	D08F	D095	0008F	00095	12496+	ED COMDWORK-1(6),COMDWORK+5 CONVERT TO EBCDIC	K0236000
0004CA	07FE			12497+	BR LINK RETURN	K0236500		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12499	COFDCTL \$CFDCTL TYPE=RES,INFO=YES .	K1328500
				12501+	*****	K0513000
				12502+	*	K0513500
				12503+	COFDCTL -- DEVICE CONTROL TABLE LOCATE	* K0514000
				12504+	*	K0514500
				12505+	ROUTINE EXAMINES DEVICE NAMED BY THE CURRENT OPERAND	* K0515000
				12506+	'POINTER', CONVERTS OPERAND TO EIGHT CHARACTER FORMAT,	* K0515500
				12507+	AND LOCATES THE DCT.	* K0516000
				12508+	NO \$WAITS ARE ISSUED.	* K0516500
				12509+	*	K0517000
				12510+	REGISTERS USED	* K0517500
				12511+	R0 = WORK REGISTER	* K0518000
				12512+	R1 = OPERAND POINTER - ADDRESS OF DCT,-RAT, OR ZERO	* K0518500
				12513+	R15 = WORK REGISTER	* K0519000
				12514+	LINK = RETURN LINKAGE	* K0519500
				12515+	*	K0520000
				12516+	NOTES	* K0520500
				12517+	COMWORK AND COMDWORK ARE USED FOR SCRATCH. NOTE THAT	* K0521000
				12518+	THIS ROUTINE IS DEPENDENT ON COMDWORK ALWAYS	* K0521100
				12519+	FOLLOWING COMWORK IN THE WORK AREA.	* K0521200
				12520+	*	K0521500
				12521+	*****	K0522000
0004CC				12522+	COFDCTL DS 0H	Z0006000
				12523+	*****	K0526400
				12524+	SEPARATE DEVICE NAME	* K0526500
				12525+	*****	K0526600
0004CC	D207	D08C	CA98	0008C 00A98	MVC COMEWORK(8),=CL8' ' CLEAR WORK AREA TO BLANKS	K0527000
0004D2	58F0	1004		00004	L R15,4(,R1) LOCATE NEXT OPERAND	K0527500
0004D6	41F0	F000		00000	LA R15,0(,R15) CLEAR HI-ORDER BYTE	R4 K0528000
0004DA	5810	1000		00000	L R1,0(0,R1) LOCATE THIS ONE	K0528500
0004DE	1BF1				SR R15,R1 LENGTH OF OPERAND + 1	K0529000
0004E0	46F0	C4E8		004E8	BCT R15,*+8 ACTUAL LENGTH	K0529500
0004E4	47F0	C6B4		006B4	B COF0199Z COMPARE AGAINST BLANK IF NULL	R4 K0530000
0004E8	06F0				BCTR R15,0 MACHINE LENGTH	K0530500
0004EA	4100	0007		00007	LA R0,7 SET MAXIMUM LENGTH	K0531000
0004EE	15F0				CLR R15,R0 TEST FOR WITHIN MAXIMUM	K0531500
0004F0	47D0	C4F6		004F6	BNH *+6 ACCEPT CURRENT LENGTH IF YES	K0532000
0004F4	18F0				LR R15,R0 SET TO MOVE EIGHT CHARACTERS	K0532500
0004F6	44F0	C788		00788	EX R15,COF0199N MOVE COMPLETE OPERAND	K0533000
0004FA	9140	D070		00070	TM COMFLAG,CMBFLAGW TEST FOR RMT ENTERED COMMAND	R41 K0533100
0004FE	47E0	C580		00580	BNO COF0199D BR IF NOT - SKIP RMT DEV ABREV.	R41 K0533200
000502	D500	D088	B424	00088 00424	CLC COMJSYS,\$OWNSYS CMD ENTERED THIS SYSTEM...	R41 K0533600
000508	4770	C580		00580	BNE COF0199D BR IF NOT -- CANNOT BE RMT DEV	R41 K0533800
00050C	4100	0002		00002	LA R0,2 TEST FOR	R41 K0533900
000510	150F				CLR R0,R15 3-BYTE OPERAND	R41 K0534000
000512	4720	C580		00580	BH COF0199D MORE THAN 3, CANNOT BE RMT DEV	R41 K0534100
000516	95F0	D08E		0008E	CLI COMEWORK+2,C'0' TEST 3RD CHARACTER FOR NUMERIC	R41 K0534200
00051A	4740	C580		00580	BL COF0199D NON-NUMERIC, CANNOT BE RMT DEV	R41 K0534300
00051E	D501	CB04	D08C	00B04 0008C	CLC =CL2'RD',COMEWORK TEST FOR REMOTE READER	R41 K0534400
000524	4780	C53C		0053C	BE COF0199G BR IF YES - GO CONVERT ABREV.	R41 K0534500
000528	D501	CB06	D08C	00B06 0008C	CLC =CL2'PR',COMEWORK TEST FOR REMOTE PRINTER	R41 K0534600
00052E	4780	C53C		0053C	BE COF0199G BR IF YES - GO CONVERT ABREV.	R41 K0534700
000532	D501	CB08	D08C	00B08 0008C	CLC =CL2'PU',COMEWORK TEST FOR REMOTE PUNCHES	R41 K0534800
000538	4770	C580		00580	BNE COF0199D BR IF NO - CANNOT BE A RMT DEV	R41 K0534900

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
00053C	BF07 D08C	0008C		12554+COF0199G	ICM R0,7,COMWORK	SAVE 3-CHARACTER OPERAND R41 K0535000
000540	41F0 D08D	0008D		12555+	LA R15,COMWORK+1	PICK UP WORK AREA ADDRESS + 1 R41 K0535100
000544	1B11			12556+	SR R1,R1	GET RMT NUMBER R41 K0535200
000546	4310 D089	00089		12557+	IC R1,COMJRM	FROM WHICH COMMAND ENTERED R41 K0535300
00054A	0610			12558+	BCTR R1,0	MINUS 1 R41 K0535400
00054C	4C10 CB0A	00B0A		12559+	MH R1,=AL2(RATTLE)	COMPUTE RAT R41 K0535500
000550	5E10 B1F0	001F0		12560+	AL R1,\$RATABLE	OFFSET R41 K0535600
000554	92D9 D08C	0008C		12561+	MVI COMWORK,C'R'	SET UP REMOTE R41 K0535700
000558	D203 D08D	1003 0008D	00003	12562+	MVC COMWORK+1(4),RATNAME-RATDSECT+3(R1)	NAME PREFIX R41 K0535800
00055E	9240 D090	00090		12563+	MVI COMWORK+4,C' '	FORCE REMAINDER R41 K0535900
000562	D202 D091	D090 00091	00090	12564+	MVC COMWORK+5(3),COMWORK+4	TO BLANKS R41 K0536000
000568	41F0 F001	00001		12565+	LA R15,1(,R15)	BUMP TO NEXT CHARACTER R41 K0536100
00056C	9540 F000	00000		12566+	CLI 0(R15),C' '	TEST FOR BLANK R41 K0536200
000570	4770 C568	00568		12567+	BNE *-8	NON-BLANK, LOOP R41 K0536300
000574	924B F000	00000		12568+	MVI 0(R15),C'.'	INSERT SEPARATOR R41 K0536400
000578	41F0 F001	00001		12569+	LA R15,1(,R15)	BUMP TO NEXT CHARACTER R41 K0536500
00057C	BE07 F000	00000		12570+	STCM R0,7,0(R15)	USE 3-CHAR OPERAND AS SUFFIX R41 K0536600
000580				12571+COF0199D	DS 0H	R41 K0536700
000580	D502 D08C	CB4F 0008C	00B4F	12572+	CLC COMWORK(3),=C'RMT'	IS THIS RMTN FORMAT R41 K0536800
000586	4770 C5BC	005BC		12573+	BNE COF0199C	NO, SKIP MOVE R41 K0536900
00058A	D204 D08D	D08F 0008D	0008F	12574+	MVC COMWORK+1(5),COMWORK+3	COMPRESS TO RN FORMAT R41 K0537000
000590	41F0 D08D	0008D		12575+	LA R15,COMWORK+1	SET BXLE INDEX R41 K0537100
000594	4110 D090	00090		12576+	LA R1,COMWORK+4	SET MAX 3 DIGITS R41 K0537200
000598	4100 0001	00001		12577+	LA R0,1	SET TO SCAN 1 AT A TIME R41 K0537300
00059C	956B F000	00000		12579+COF0199H	CLI 0(R15),C','	CHECK FOR TERMINATING CHAR R41 K0537500
0005A0	4780 C5F0	005F0		12580+	BE COF0199P	YES, CONVERT RMT NUMBER R41 K0537600
0005A4	9540 F000	00000		12581+	CLI 0(R15),C' '	CHECK FOR RMTN ONLY R41 K0537700
0005A8	4780 C5F0	005F0		12582+	BE COF0199P	YES, CONVERT RMT NUMBER R41 K0537800
0005AC	95F0 F000	00000		12583+	CLI 0(R15),C'0'	CHECK FOR VALID RANGE R41 K0537900
0005B0	4740 C67A	0067A		12584+	BL COF0199U	NO, ERROR R41 K0538000
0005B4	87F0 C59C	0059C		12585+	BXLE R15,R0,COF0199H	LOOP R41 K0538100
0005B8	47F0 C67A	0067A		12586+	B COF0199U	ERROR IF 4 CHARS R41 K0538200
0005BC	95D9 D08C	0008C		12588+COF0199C	CLI COMWORK,C'R'	IS REMOTE SPECIFIED R41 K0538500
0005C0	4770 C68E	0068E		12589+	BNE COF0199V	NO, SKIP RAT LOOKUP R41 K0538600
0005C4	95F0 D08D	0008D		12590+	CLI COMWORK+1,C'0'	IS THIS RN FORMAT R41 K0538700
0005C8	4740 C68E	0068E		12591+	BL COF0199V	NO--SKIP RAT LOOK-UP K0539100
0005CC	41F0 D08D	0008D		12592+	LA R15,COMWORK+1	SET INDEX FOR BXLE K0539500
0005D0	4110 D090	00090		12593+	LA R1,COMWORK+4	SET COMPORAND FOR 3 DIGITS K0540000
0005D4	4100 0001	00001		12594+	LA R0,1	SET INCREMENT FOR SCAN K0540500
0005D8	954B F000	00000		12596+COF01990	CLI 0(R15),C'.'	CHECK FOR TERMINATING CHAR K0541500
0005DC	4780 C5F0	005F0		12597+	BE COF0199P	YES--CONVERT RMT NBR TO BINARY K0542000
0005E0	95F0 F000	00000		12598+	CLI 0(R15),C'0'	CHECK FOR VALID RANGE K0542500
0005E4	4740 C67A	0067A		12599+	BL COF0199U	IF LESS--ERROR IN OPERAND K0543000
0005E8	87F0 C5D8	005D8		12600+	BXLE R15,R0,COF01990	LOOP THROUGH OPERAND TILL '.' K0543500
0005EC	47F0 C67A	0067A		12601+	B COF0199U	OR FOUR CHAR--ERROR IF NOT FND K0544000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0005F0				12603+	COF0199P	DS 0H	Z0006000
0005F0	181F			12604+		LR R1,R15 SAVE POSITION OF '.'	K0545500
0005F2	D202 D094	1001	00094 00001	12605+		MVC COMDWORK+4(3),1(R1) SAVE DEVICE NAME PORTION	K0546000
0005F8	41F0 D08D		0008D	12606+		LA R15,COMWORK+1 FIND START OF NUMERIC AGAIN	K0546500
0005FC	1B1F			12607+		SR R1,R15 COMPUTE SIZE OF FIELD	K0547000
0005FE	47D0 C67A		0067A	12608+		BNP COF0199U BRANCH IF NOT POSITIVE--ERROR	K0547500
000602	0610			12609+		BCTR R1,0 REDUCE BY ONE FOR MACHINE	K0548000
000604	1802			12610+		LR R0,WA SAVE REG 2 OVER 'TRT'	K0548500
000606	58F0 CAE4		00AE4	12611+		L R15,=A(CVALIDTB) POINT TO TEST TABLE	R4 K0549000
00060A	4410 C682		00682	12612+		EX R1,COF0199R TEST FOR VALID NUMERICS	K0549500
00060E	1820			12613+		LR WA,R0 RESTORE R2	K0550000
000610	4770 C67A		0067A	12614+		BNZ COF0199U BRANCH IN ERROR IF NOT NUMERIC	K0550500
000614	98F0 D090		00090	12615+		LM R15,R0,COMDWORK SAVE COMDWORK	K0551000
000618	4410 C688		00688	12616+		EX R1,COF0199S PACK NUMERIC PORTION OF NAME	K0551500
00061C	4F10 D090		00090	12617+		CVB R1,COMDWORK CONVERT REMOTE NBR TO BINARY	K0552000
000620	90F0 D090		00090	12618+		STM R15,R0,COMDWORK RESTORE COMDWORK	K0552500
000624	1211			12619+		LTR R1,R1 TEST FOR A GOOD VALUE	K0553000
000626	47D0 C67A		0067A	12620+		BNP COF0199U ERROR IF NOT POSITIVE	K0553500
00062A	4800 B5E8		005E8	12621+	COF0199A	LH R0,\$NUMRJE GET MAX NUMBER OF REMOTES	R4 K0560000
00062E	1510			12622+		CLR R1,R0 IS CONVERTED HIGHER	K0560500
000630	4720 C67A		0067A	12623+		BH COF0199U YES -- ERROR	K0561000
000634	0610			12624+		BCTR R1,0 LESS ONE FOR RAT DISPLACEMENT	K0561500
000636	4C10 CB0C		00B0C	12625+		MH R1,=Y(RATTLE) GET OFFSET IN RAT TABLE	K0562000
00063A	5800 B1F0		001F0	12626+		L R0,\$RATABLE POINT TO 1ST RAT ELEMENT	R4 K0562500
00063E	1200			12627+		LTR R0,R0 TEST FOR ANY RJE LINES	K0563000
000640	4780 C67A		0067A	12628+		BZ COF0199U NONE -- ERROR	K0563500
000644	1E10			12629+		ALR R1,R0 COMPUTE LOCATION OF REMOTE	K0564000
000646	D502 D094	CB52	00094 00B52	12630+		CLC COMDWORK+4(3),=C'CON' IS THIS CONSOLE	K0564500
00064C	4770 C65C		0065C	12631+		BNE COFL0199 SKIP TEST FOR \$T COMMAND	R41 K0564600
000650	95E3 D0B7		000B7	12632+		CLI COMVERB,C'T' TEST IF \$T CON COMMAND	R41 K0564700
000654	4780 C67E		0067E	12633+		BE COF0199X EXIT WITH R1 POINTING TO -RAT	K0564800
000658	47F0 C67A		0067A	12634+		B COF0199U ERROR, ONLY \$TRN.CON VALID	R41 K0565000
00065C	9540 D094		00094	12635+	COFL0199	CLI COMDWORK+4,C' ' TEST IF ONLY RN SPECIFIED	R41 K0565100
000660	4780 C67E		0067E	12636+		BE COF0199X YES, EXIT - R1 POINTING TO RAT	R41 K0565200
000664	5810 1008		00008	12637+		L R1,RATRDCT-RATDSECT(,R1) FIND FIRST REMOTE DCT	K0565500
000668	D507 1018	D08C	00018 0008C	12639+	COF0199W	CLC DCTDEVN-DCTDSECT(L'DCTDEVN,R1),COMWORK LOOK FOR	K0566500
00066E	078E			12640+		BER LINK DCT--IF FOUND RETURN WITH DCT	K0567000
000670	5810 1028		00028	12641+	COF0199B	L R1,MDCTDCT-DCTDSECT(,R1) POINT TO NEXT DCT	R4 K0567500
000674	1211			12642+		LTR R1,R1 TEST FOR END OF REMOTES DEV	K0568000
000676	4770 C668		00668	12643+		BNZ COF0199W LOOP THROUGH RMT DEVICES	K0568500
00067A	1F11			12644+	COF0199U	SLR R1,R1 IF RMT NOT FOUND INDICATE IT	K0569000
00067C	07FE			12645+		BR LINK AND RETURN	K0569500
00067E	1311			12646+	COF0199X	LCR R1,R1 COMPLEMENT RAT ADDRESS	K0570000
000680	07FE			12647+		BR LINK RETURN	K0570500
000682	DD00 D08D	F000	0008D 00000	12649+	COF0199R	TRT COMEWORK+1(*-*),0(R15) *** EXECUTE ONLY ***	R4 K0571500
000688	F270 D090	D08D	00090 0008D	12650+	COF0199S	PACK COMDWORK(L'COMDWORK),COMEWORK+1(*-*) * EXECUTE *	K0572000
00068E				12652+	COF0199V	DS 0H	Z0006000
00068E	D502 D08C	CB55	0008C 00B55	12653+		CLC COMEWORK(3),=C'RDI' CHECK FOR INTERNAL RDR	K0573500
000694	4770 C6B4		006B4	12654+		BNE COF0199Z NO--SKIP 1ST INTRDR LOCATE	K0574000
000698	5810 B150		00150	12655+		L R1,\$SSVT YES--POINT TO THE SSVT	K0574500
00069C	5810 12B0		002B0	12656+		L R1,\$SVIRDRS-\$SVDSECT(,R1) POINT TO 1ST INTRDR	K0575000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0006A0	D505 1018 CB0E	00018	00B0E	12657+	COF0199Y CLC DCTDEVN-DCTDSECT(6,R1),=C'INTRDR' CHECK FOR 1ST ONE	K0575500
0006A6	078E			12658+	BER LINK YES--RETURN WITH 1ST INTRDR	K0576000
0006A8	BF17 1015	00015		12659+	ICM R1,7,DCTCHAIN+1-DCTDSECT(R1) ELSE GET NEXT	K0576500
0006AC	4770 C6A0	006A0		12660+	BNZ COF0199Y AND LOOP FOR 1ST INTRDR	K0577000
0006B0	1F11			12661+	SLR R1,R1 ELSE FLAG AS NOT FOUND	K0577500
0006B2	07FE			12662+	BR LINK AND RETURN TO CALLER	K0578000
0006B4				12663+	COF0199Z DS 0H COME HERE WHEN NOT INTRDR	K0578500
0006B4	4110 C72C	0072C		12664+	LA R1,COFDCTPL POINT R1 TO LAST TABLE ENTRY R41	K0578600
0006B8	95F0 D08F	0008F		12665+	CLI COMEWORK+3,C'0' IS 4TH CHARACTER NUMERIC... R41	K0578700
0006BC	4740 C756	00756		12666+	BL COF0199E BYPASS TABLE LOOKUP IF NOT R41	K0578800
0006C0	BF0F D08F	0008F		12667+	ICM R0,15,COMEWORK+3 SAVE NUMERICS (BLANK-PADDED) R41	K0578900
				12669+	***** K0579400	
				12670+	CONVERT SHORT NAME OF DEVICE TO LONG NAME AS IN DCT * K0579500	
				12671+	***** K0579600	
0006C4	4110 C6E6	006E6		12672+	LA R1,COF0199T POINT TO CONVERT TABLE R4	K0580000
0006C8	43F0 1003	00003		12673+	COF0199L IC R15,3(0,R1) PICK UP MACHINE LENGTH OF ANSWER	K0580500
0006CC	D502 D08C 1000	0008C	00000	12674+	CLC COMEWORK(3),0(R1) LOOK FOR MATCH	K0581000
0006D2	4780 C73A	0073A		12675+	BE COF0199F IF MATCH, REPLACE WITH LONG FORM R4	K0581500
0006D6	4110 100E	0000E		12676+	LA R1,14(,R1) POINT TO NEXT TABLE ELEMENT R4	K0582000
0006DA	95FF 1000	00000		12677+	CLI 0(R1),X'FF' CHECK FOR END OF TABLE	K0582500
0006DE	4770 C6C8	006C8		12678+	BNE COF0199L IF NOT, LOOP	K0583000
0006E2	47F0 C756	00756		12679+	B COF0199E IF END, EXIT	K0583500
				12681+	***** K0584500	
				12682+	* K0585000	
				12683+	DEVICE ABBREVIATION TABLE * K0585500	
				12684+	* K0586000	
				12685+	NOTE--IF \$NUMPRTS IS GREATER THAN 9, THE 2ND ENTRY IN THIS TABLE * K0586500	
				12686+	IS MODIFIED AT INITIALIZATION TIME TO THE FOLLOWING FORMAT.. * K0587000	
				12687+	* K0587500	
				12688+	DC C'PRT',X'05',C'PRINTR ',Y(\$LNEDCT-HCTDSECT) * K0588000	
				12689+	* K0588500	
				12690+	***** K0589000	
0006E6				12691+	COF0199T DS 0H K0589500	
0006E6	D3D5C503D3C9D5C5			12692+	DC C'LINE',X'03',C'LINE ',Y(\$LNEDCT-HCTDSECT) R4	K0590000
0006F4	D7D9E306D7D9C9D5			12693+	COFPRINT DC C'PRT',X'06',C'PRINTER ',Y(\$PRTDCT-HCTDSECT) R4	K0590500
000702	D7E4D504D7E4D5C3			12694+	DC C'PUN',X'04',C'PUNCH ',Y(\$PUNDCT-HCTDSECT) R4	K0591000
000710	D9C4D905D9C5C1C4			12695+	DC C'RDR',X'05',C'READER ',Y(\$RDRDCT-HCTDSECT) R4	K0591500
00071E	D3C7D504D3D6C7D6			12696+	DC C'LGN',X'04',C'LOGON ',Y(\$LOGNDCT-HCTDSECT) R4	K0592500
00072C	FF404040C6C9D3D3			12697+	COFDCTPL DC X'FF',C' ',C'FILLER ',Y(\$DCTPOOL-HCTDSECT) R41	K0593500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12699+	*****	K0594400
				12700+	* ARGUMENT FOUND, MOVE NUMERIC PORTION INTO PLACE	* K0594500
				12701+	*****	K0594600
00073A	44F0 C78E	0078E		12702+	COF0199F EX R15,COF0199M MOVE LONG FORM OF TEXT	K0595000
00073E	41FF D08D	0008D		12703+	LA R15,COMWORK+1(R15) POINT TO END OF TEXT + 1	R41 K0595500
000742	9240 D094	00094		12704+	MVI COMWORK+8,C' ' MOVE IN FIELD DELIMITER	R41 K0596000
000746	BE0F F000	00000		12705+	STCM R0,15,0(R15) MOVE NUMERICS IN AFTER TEXT	R41 K0596500
00074A	9540 D094	00094		12706+	CLI COMWORK+8,C' ' DID WE TRUNCATE ANY DATA...	R41 K0597000
00074E	4780 C756	00756		12707+	BE COF0199E NO--GO TO LOCATE DCT	R4 K0597500
000752	1F11			12708+	SLR R1,R1 YES--ERROR--ZERO OUT DCT REG	R4 K0598000
000754	07FE			12709+	BR LINK AND RETURN TO CALLER	R4 K0598500
				12711+	*****	K0600900
				12712+	* LOCATE DEVICE CONTROL TABLE	* K0601000
				12713+	*****	K0601100
000756	4810 100C	0000C		12714+	COF0199E LH R1,12(,R1) POINT TO STARTING POINT	R4 K0601500
00075A	5811 B000	00000		12715+	L R1,HCTDSECT(R1) IN DCT CHAIN	R4 K0602000
00075E	1211			12716+	LTR R1,R1 TEST CHAIN ADDRESS	R4 K0602500
000760	4770 C76A	0076A		12717+	BNZ COF0199K BR IF VALID	R4 K0603000
000764	BF1F B18C	0018C		12718+	ICM R1,15,\$DCTPOOL POINT TO 1ST DCT	R4 K0603500
000768	078E			12719+	BZR LINK RETURN IF NONE	R4 K0604000
00076A	D507 1018 D08C	00018 0008C		12720+	COF0199K CLC DCTDEVN-DCTDSECT(L'DCTDEVN,R1),COMWORK LOOK FOR MATCH	K0604500
000770	4780 C77E	0077E		12721+	BE COF0199Q CHECK FOR SYSTEM INTRDRS	K0605000
000774	BF17 1015	00015		12722+	ICM R1,7,DCTCHAIN+1-DCTDSECT(R1) POINT TO NEXT DCT	K0605500
000778	4770 C76A	0076A		12723+	BNZ COF0199K LOOP TO NEXT IF NOT AT END	K0606000
00077C	07FE			12724+	BR LINK RETURN WITHOUT DCT	K0606500
00077E				12725+	COF0199Q DS 0H LOOK FOR SYSTEM INTRDRS	K0607000
00077E	9514 1011	00011		12726+	CLI DCTDEVTP-DCTDSECT(R1),DCTINR IS THIS AN INTRDR	K0607500
000782	077E			12727+	BNER LINK NO--RETURN WITH DCT FOUND	K0608000
000784	1F11			12728+	SLR R1,R1 YES--MUST BE SYSTEM INTRDR	K0608500
000786	07FE			12729+	BR LINK RETURN WITH NO DCT	K0609000
000788	D200 D08C 1000	0008C 00000		12731+	COF0199N MVC COMWORK(*-*),0(R1) **** EXECUTE ONLY ****	K0609500
00078E	D200 D08C 1004	0008C 00004		12732+	COF0199M MVC COMWORK(*-*),4(R1) **** EXECUTE ONLY ****	K0610000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12734	COFINVC \$CFINVC TYPE=RES,INFO=YES .	K1329500
				12736+	*****	K0616000
				12737+	*	K0616500
				12738+	COFINVC -- REPLY INVALID COMMAND	* K0617000
				12739+	*	K0617500
				12740+	ROUTINE RETURNS TO MAIN COMMAND PROCESSOR BEFORE \$WAIT	* K0618000
				12741+	*	K0618500
				12742+	*****	K0619000
				12744+	*****	K0622400
				12745+	RETURN WITH INVALID COMMAND AS RESPONSE	* K0622500
				12746+	*****	K0622600
000794	D20F D0BF CAA8	000BF	00AA8	12747+	COFINVC MVC COMMAND+9(16),=C' INVALID COMMAND' MOVE DIAG.	K0623000
00079A				12748+	DS 0H	Z0006000
00079A	4100 0019	00019		12749+	LA R0,25	K0124500
00079E	41F0 0008	00008		12750+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0007A2	47F0 C1AC	001AC		12751+	B CORET RETURN	K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12753	COFINVO \$CFINVO TYPE=RES,INFO=YES .	K1330500
				12755+	*****	K0631500
				12756+	*	K0632000
				12757+	COFINVO -- REPLY INVALID OPERAND	* K0632500
				12758+	*	K0633000
				12759+	ROUTINE RETURNS TO MAIN COMMAND PROCESSOR BEFORE \$WAIT	* K0633500
				12760+	*	K0634000
				12761+	*****	K0634500
				12763+	*****	K0637900
				12764+	RETURN WITH INVALID OPERAND AS RESPONSE	* K0638000
				12765+	*****	K0638100
0007A6	D207 D17E	CA98 0017E	00A98	12766+	COFINVO MVC COMJNAME,=CL8' ' INSURE FIELD AFTER BLANK	R4 K0638500
0007AC	D208 D0B6	1000 000B6	00000	12767+	MVC COMMAND(9),0(R1)	R4 K0639000
0007B2	D20F D0BF	CAB8 000BF	00AB8	12768+	MVC COMMAND+9(16),=C' INVALID OPERAND' SET DIAGNOSTIC	K0639500
0007B8				12769+	DS 0H	Z0006000
0007B8	4100 0019		00019	12770+	LA R0,25	K0124500
0007BC	41F0 0008		00008	12771+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0007C0	47F0 C1AC		001AC	12772+	B CORET RETURN	K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12774	COFJDCT \$CFJDCT TYPE=RES,INFO=YES,CONT=COFJDCTC	K1331500
				12776+	*****	K0646000
				12777+		* K0646500
				12778+	COFJDCT -- FIND DEVICE(S) ACTIVE WITH A SPECIFIED JOB	* K0647000
				12779+		* K0647500
				12780+	ROUTINE COLLECTS DEVICE IDENTIFIERS FROM THE JOE (IF THE	* K0648000
				12781+	JOB IS ON A READER) OR FROM THE JOES (IF THE JOB IS ACTIVE	* K0650500
				12782+	IN HARD COPY).	* K0651000
				12783+		* K0652000
				12784+	FORMAT OF THE DEVICE IDENTIFIER (2 BYTES) IS	* K0652500
				12785+	BYTE 1 -- HIGH ORDER BIT SIGNIFIES A REMOTE DEVICE	* K0653000
				12786+	BITS 1-3 INDICATE THE DEVICE TYPE	* K0653500
				12787+	000 = INTERNAL READER	* K0654000
				12788+	001 = READER	* K0654500
				12789+	010 = PRINTER	* K0655000
				12790+	011 = PUNCH	* K0655500
				12791+	BITS 4-7 INDICATE THE REMOTE DEVICE NUMBER (1-7) IF	* K0656000
				12792+	THE DEVICE IS A REMOTE OTHERWISE THEY ARE ZERO	* K0656500
				12793+		* K0657000
				12794+	BYTE 2 -- IF A REMOTE -- THE REMOTE NUMBER (1-255)	* K0657500
				12795+	IF A LOCAL DEVICE THE LOCAL NUMBER (1-99)	* K0658000
				12796+		* K0658500
				12797+	THE DEVICE IDENTIFIERS ARE MOVED INTO A TABLE ON THE FIRST	* K0659000
				12798+	ENTRY, SUBSEQUENT ENTRIES RETRIEVE OTHER DEVICE IDENTIFIERS	* K0659500
				12799+	THIS LINE DELETED BY APAR @OZ20010	K0660000
				12800+		* K0660500
				12801+	REGISTERS USED -	* K0661000
				12802+	R1 = JOB QUEUE ELEMENT ADDRESS, ON EXIT DEVICE ID	* K0661500
				12803+	ADDRESS	* K0662000
				12804+	LINK = LINKAGE	* K0662500
				12805+	R15 = WORK	* K0663000
				12806+	WA = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0663500
				12807+	WB = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0664000
				12808+	WC = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0664500
				12809+	WD = WORK (SAVED BEFORE IT IS USED IN COMWREGS)	* K0665000
				12810+		* K0665500
				12811+	WORK AREAS USED	* K0666000
				12812+	COMWREGS TO SAVE REGISTERS	* K0666500
				12813+	COMWORK TO SAVE R1 -- JOE ADDRESS	* K0667000
				12814+		* K0667500
				12815+	EXITS	* K0668000
				12816+	LINK+0 DCT NOT FOUND	* K0668500
				12817+	LINK+4 DCT FOUND	* K0669000
				12818+		* K0669500
				12819+	*****	K0670000
0007C4				12820+	COFJDCT DS 0H	Z0006000
0007C4	5010 D08C		0008C	12821+	ST R1,COMWORK SAVE JOE ADDRESS	K0673000
0007C8	9200 D1DC		001DC	12822+	MVI COFDEVID,0 CLEAR DEVICE ID	K0673500
0007CC	D29E D1DD D1DC	001DD	001DC	12823+	MVC COFDEVID+1(COFDEVLL-1),COFDEVID SAVE AREA @OZ46473	K0674000
0007D2	41F0 D275		00275	12824+	LA R15,COFDVEND POINT TO LAST TABLE ENTRY	K0674500
0007D6	50F0 D278		00278	12825+	ST R15,COFDEVSV SAVE IT FOR LATER	K0675000
0007DA	9520 1001		00001	12826+	CLI JQETYPE,\$INPUT IS JOB ON RDR R4	K0675500
0007DE	4770 C7F6		007F6	12827+	BNE COF0209A NO--SCAN JOES R4	K0676500
0007E2	D200 D1DC 1004	001DC	00004	12828+	MVC COFDEVID(L'JQEFLGS),JQEFLGS SET BUSY FLAG	K0682000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22
0007E8	9407 D1DC	001DC		12829+	NI	COFDEVID,QUEBUSY	TURN 'OFF' NON-BUSY BITS	K0682500
0007EC	D201 D1DD 100C	001DD	0000C	12830+	MVC	COFDEVID+L'JQEFLAGS(L'JOEDEVID),JQEDEVID	SET DEVICE	K0683000
0007F2	47F0 C84C	0084C		12831+	B	COF0209F	EXIT	K0683500
0007F6				12833+COF0209A	DS	0H	SCAN JOES	K0684500
				12834+*			THIS LINE DELETED BY APAR @OZ20010	K0684600
				12835+*			THIS LINE DELETED BY APAR @OZ20010	K0684700
				12836+*			THIS LINE DELETED BY APAR @OZ20010	K0684800
				12837+*			THIS LINE DELETED BY APAR @OZ20010	K0684900
0007F6	9025 D098	00098		12838+	STM	WA,WD,COMWREGS	SAVE REGISTERS	K0685000
0007FA	4150 D1DC	001DC		12839+	LA	WD,COFDEVID	POINTO FIRST ADDRESS OF DEVID TBL	K0685500
0007FE	5820 B23C	0023C		12840+	L	WA,CDFJOT	POINT TO THE JOT	K0686000
000802	4110 1010	00010		12841+	LA	R1,JQEJOE	PREPARE TO SCAN @OZ27300	K0686500
000806	4B10 CB14	00B14		12842+	SH	R1,=Y(JOEJOE-JOEDSECT)	WORK JOES FOR THIS JOB @OZ27300	K0687000
		00000		12844+	USING	JOEDSECT,R1	PROVIDE JOE ADDRESSABILITY @OZ27300	K0688000
				12845+			PRINT OFF - SECTION DELETED @OZ27300	K0688500
				12850+			PRINT ON -- SECTION DELETED @OZ27300	K0691000
00080A				12852+COF0209D	DS	0H	JOE GET LOOP	K0692000
				12853+*			THIS LINE DELETED BY APAR @OZ27300	K0692100
				12854+*			THIS LINE DELETED BY APAR @OZ27300	K0692200
00080A	4810 1022	00022		12855+	LH	R1,JOEJOE	GET OFFSET OF NEXT JOE @OZ27300	K0692500
00080E	5410 CAE8	00AE8		12856+	N	R1,=A(X'0000FFFF')	INSURE OFFSET IS POSITIVE	K0693000
000812	4780 C848	00848		12857+	BZ	COF0209E	EXIT IF END OF CHAIN @OZ27300	K0693500
000816	8910 0002	00002		12858+	SLL	R1,2	EXPAND TO BYTE OFFSET R4	K0694000
00081A	1E12			12859+	ALR	R1,WA	COMPUTE JOE ADDRESS	K0694500
				12860+			PRINT OFF - SECTION DELETED @OZ27300	K0695000
				12866+			PRINT ON -- SECTION DELETED @OZ27300	K0697100
000820	9107 1004	00004		12867+	TM	JOEFLAG,\$JOEBUSY	TEST FOR JOE TO BE BUSY	K0697500
000824	4780 C80A	0080A		12868+	BZ	COF0209D	NO--GET NEXT JOE	K0698000
000828	D200 5000 1004	00000	00004	12869+	MVC	0(L'JOEFLAG,WD),JOEFLAG	SAVE BUSY FLAGS	K0698500
00082E	9407 5000	00000		12870+	NI	0(WD),\$JOEBUSY	TURN 'OFF' NON-BUSY BITS	K0699000
000832	D201 5001 1020	00001	00020	12871+	MVC	L'JOEFLAG(L'JOEDEVID,WD),JOEDEVID	SET DEVICE ID	K0699500
000838	4150 5003	00003		12872+	LA	WD,L'JOEFLAG+L'JOEDEVID(,WD)	POINT TO NEXT FREE AREA	K0700000
00083C	5950 D278	00278		12873+	C	WD,COFDEVSV	CHECK FOR END OF TABLE	K0700500
000840	47B0 C848	00848		12874+	BNL	COF0209E	IF END EXIT JOE SCAN LOOP	K0701000
000844	47F0 C80A	0080A		12875+	B	COF0209D	ELSE SCAN ALL JOES	K0701500
000848				12876+COF0209E	DS	0H	END OF JOE SCAN	K0702000
000848	9825 D098	00098		12877+	LM	WA,WD,COMWREGS	RESTORE REGISTERS	K0702500
00084C	41F0 D1D9	001D9		12878+COF0209F	LA	R15,COFDEVID-(L'JQEFLAGS+L'JOEDEVID)		K0703000
000850	50F0 D278	00278		12879+	ST	R15,COFDEVSV	SAVE IT FOR LATER	K0703500
000854				12880+COFJDCTC	DS	0H	CONTINUE DEVICE SCAN	K0704000
000854	5810 D278	00278		12881+	L	R1,COFDEVSV	PICK-UP LAST DEVICE ADDRESS	K0704500
000858	4110 1003	00003		12882+	LA	R1,L'JQEFLAGS+L'JOEDEVID(,R1)	POINT TO NEXT DEVICE	K0705000
00085C	5010 D278	00278		12883+	ST	R1,COFDEVSV	SAVE IT FOR NEXT TIME	K0705500
000860	D502 1000 CB58	00000	00B58	12884+	CLC	0(L'JQEFLAGS+L'JOEDEVID,R1),=XL3'00'	CHK FOR END	K0706000
000866	078E			12885+	BER	R14	YES RETURN--EMPTY	K0706500
000868	47F0 E004	00004		12886+	B	4(,R14)	NO--RETURN WITH DEV ADDR IN R1	K0707000
				12887+	DROP	R1	KILL JOE ADDRESSABILITY @OZ27300	K0707500
		00000		12888+	USING	JQEDSECT,R1	REESTABLISH JOE ADDRESSABILITY	K0708000
		000A0		12889+COFDEVLL	EQU	(L'COMREGSV)*40	LENGTH OF SAVE AEA	K0708500
		00099		12890+COFDEVLL	EQU	COFDEVLL-L'JOEFLAG-L'JOEDEVID-4	LENGTH OF TABLE	K0709000
		001DC		12891+COFDEVLL	EQU	COMREGSV,COFDEVLL	TABLE FOR ACTIVE DEVICES FOR AJOB	K0709500
		00275		12892+COFDVEND	EQU	COFDEVLL+COFDEVLL	LAST TABLE ENTRY	K0710000
		00278		12893+COFDEVSV	EQU	COFDEVLL+COFDEVLL+L'JOEFLAG+L'JOEDEVID,4		K0710500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12895	*****	K1331620
				12896	*	* K1331640
				12897	* COFLIM - - CONVERT LIMITS TO BINARY	* K1331660
				12898	*	* K1331680
				12899	* REGISTERS USED	* K1331700
				12900	*	* K1331720
				12901	* R0 = HIGH BOUND LIMIT	* K1331740
				12902	* R1 = POINTER TO OPERAND	* K1331760
				12903	* R3 = WORK REGISTER	* K1331780
				12904	* R4 = ERROR EXIT	* K1331800
				12905	* R14 = LINKAGE	* K1331820
				12906	* R15 = LOW BOUND LIMIT	* K1331840
				12907	*	* K1331860
				12908	*****	K1331880
00086C	4530 C8AC	008AC		12910	COFLIM BAL R3,COFLNUM	SCAN LOWER LIMIT @OZ40627 K1331940
000870	18F0			12911	LR R15,R0	SAVE LOWER LIMIT @OZ40627 K1331960
000872	4100 0001	00001		12912	LA R0,1	SET DEFAULT @OZ40627 K1331980
000876	1100			12913	LNR R0,R0	UPPER LIMIT @OZ40627 K1332000
000878	9560 1001	00001		12914	CLI 1(R1),C'-'	UPPER LIMIT SPECIFIED ... @OZ40627 K1332020
00087C	4770 C898	00898		12915	BNE COFLDLM	BR IF NO @OZ40627 K1332040
000880	4110 1001	00001		12916	LA R1,1(,R1)	POINT AT '-' @OZ40627 K1332060
000884	955C 1001	00001		12917	CLI 1(R1),C'*'	IS DEFAULT UPPER LIM SPECIFIED K1332080
000888	4780 C894	00894		12918	BE COFLDFLT	BRANCH IF YES @OZ40627 K1332100
00088C	4530 C8AC	008AC		12919	BAL R3,COFLNUM	SCAN UPPER LIMIT @OZ40627 K1332120
000890	47F0 C898	00898		12920	B COFLDLM	BR TO CHECK FOR VALID DELIMITER K1332130
000894	4111 0001	00001		12922	COFLDFLT LA R1,1(R1)	POINT AT '*' @OZ40627 K1332160
000898	956B 1001	00001		12923	COFLDLM CLI 1(R1),C','	VALID DELIMITER ... @OZ40627 K1332180
00089C	4780 C8A6	008A6		12924	BE COFLLLIM	BRANCH IF YES @OZ40627 K1332200
0008A0	9540 1001	00001		12925	CLI 1(R1),C''	VALID DELIMITER ... @OZ40627 K1332220
0008A4	0774			12926	BNER R4	BRANCH IF NO @OZ40627 K1332240
0008A6	15F0			12927	COFLLLIM CLR R15,R0	LIMITS VALID ... @OZ40627 K1332260
0008A8	07B4			12928	BNLR R4	BR IF NO @OZ40627 K1332280
0008AA	07FE			12929	BR LINK	RETURN @OZ40627 K1332300
0008AC	1F00			12931	COFLNUM SLR R0,R0	CLEAR ACCUMULATOR @OZ40627 K1332320
0008AE	5000 B3E0	003E0		12932	ST R0,\$DOUBLE	CLEAR WORK AREA @OZ40627 K1332330
0008B2	95F0 1001	00001		12933	CLI 1(R1),C'0'	FIRST DIGIT NUMERIC (F0-FF) ... K1332340
0008B6	0744			12934	BLR R4	ERROR IF NO @OZ40627 K1332350
0008B8	95F9 1001	00001		12935	CLI 1(R1),C'9'	FIRST DIGIT NUMERIC (F0-FF) ... K1332360
0008BC	0724			12936	BHR R4	ERROR IF NO @OZ40627 K1332370
0008BE	5500 CAF0	00AF0		12937	COFLNLUP CL R0,=F'214748365'	GREATER THAN FULL WORD ... @OZ40627 K1332380
0008C2	0724			12938	BHR R4	BRANCH IF YES - ERROR @OZ40627 K1332390
0008C4	D100 B3E1 1001	003E1 00001		12939	MVN \$DOUBLE+1(1),1(R1)	GET A DIGIT @OZ40627 K1332400
0008CA	4C00 CAFA	00AFA		12940	MH R0,=H'10'	SHIFT CURRENT ACCUMULATOR @OZ40627 K1332410
0008CE	4A00 B3E0	003E0		12941	AH R0,\$DOUBLE	ADD NEW DIGIT @OZ40627 K1332420
0008D2	1200			12942	LTR R0,R0	GREATER THAN FULL WORD ... @OZ40627 K1332425
0008D4	0744			12943	BMR R4	BRANCH IF YES - ERROR @OZ40627 K1332427
0008D6	4110 1001	00001		12944	LA R1,1(,R1)	POINT TO NEXT DIGIT @OZ40627 K1332430
0008DA	95F0 1001	00001		12945	CLI 1(R1),C'0'	FIELD NUMERIC (F0-FF) ... @OZ40627 K1332435
0008DE	0743			12946	BLR R3	RETURN IF NO @OZ40627 K1332440
0008E0	95F9 1001	00001		12947	CLI 1(R1),C'9'	FIELD NUMERIC (F0-FF) ... @OZ40627 K1332445
0008E4	0723			12948	BHR R3	RETURN IF NO @OZ40627 K1332450

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0008E6	47F0 C8BE	008BE		12949	B COFLNLUP LOOP	@OZ40627 K1332455

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12951	*****	K1332500
				12952	*	* K1333000
				12953	* COFRTC -- CONVERT ROUTE CODE TO EBCDIC FOR DISPLAY	* K1333500
				12954	*	* K1334000
				12955	* NO \$WAITS ARE ISSUED.	* K1334500
				12956	*	* K1335000
				12957	* REGISTERS USED	* K1335500
				12958	*	* K1336000
				12959	* R0 = ADDRESS OF AREA TO PUT EBCDIC ANSWER, WORK	* K1336500
				12960	* R1 = WORK (SAVED AND RESTORED)	* K1337000
				12961	* R14 = LINKAGE	* K1337500
				12962	* R15 = ADDRESS OF ROUTE CODE FIELD	* K1338000
				12963	*	* K1338500
				12964	* NOTES	* K1339000
				12965	*	* K1339500
				12966	* COMEWORK AND COMDWORK ARE USED BY THIS ROUTINE.	* K1340000
				12967	*	* K1340500
				12968	*****	K1341000
0008EA				12969	COFRTC DS 0H	R4 K1341500
0008EA	5010 D08C	0008C		12970	ST R1,COMEWORK	R4 K1342000
0008EE	1810			12971	LR R1,R0	R4 K1342500
0008F0	D209 1000 CB16	00000 00B16		12972	MVC 0(10,R1),=CL10' R' ASSUME ' RXXX '	R4 K1343000
0008F6	1F00			12973	SLR R0,R0	R4 K1343500
0008F8	BF01 F000	00000		12974	ICM R0,1,0(R15)	R4 K1344500
0008FC	4770 C904	00904		12975	BNZ COFRTCNR	R4 K1345000
000900	92E4 1001	00001		12976	MVI 1(R1),C'U'	R4 K1349000
000904	BF01 F001	00001		12977	COFRTCNR ICM R0,1,1(R15)	R4 K1349500
000908	4770 C918	00918		12978	BNZ COFRTCNC	R4 K1350000
00090C	D204 1001 CB5B	00001 00B5B		12979	MVC 1(5,R1),=C'LOCAL'	R4 K1350500
000912	5810 D08C	0008C		12980	COFRTCNX L R1,COMEWORK	R4 K1353500
000916	07FE			12981	BR R14	R4 K1354000
000918	4E00 D090	00090		12982	COFRTCNC CVD R0,COMDWORK	R4 K1357500
00091C	F327 1002 D090	00002 00090		12983	UNPK 2(3,R1),COMDWORK	R4 K1358000
000922	96F0 1004	00004		12984	OI 4(R1),C'0'	R4 K1358500
000926	95F0 1002	00002		12985	COFRTCNS CLI 2(R1),C'0'	R4 K1359000
00092A	4770 C912	00912		12986	BNE COFRTCNX	R4 K1360000
00092E	D202 1002 1003	00002 00003		12987	MVC 2(3,R1),3(R1)	R4 K1362000
000934	47F0 C926	00926		12988	B COFRTCNS	R4 K1362500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				12990	*****	K1363500
				12991	*	* K1364000
				12992	* COFRTD -- CONVERT TO DEFAULT ROUTE RANGE	* K1364500
				12993	*	* K1365000
				12994	* REGISTERS USED	* K1365500
				12995	*	* K1366000
				12996	* R0 = HIGH BOUND ANSWER	* K1366500
				12997	* R1 = LOW BOUND ANSWER	* K1367000
				12998	* R14 = LINKAGE	* K1367500
				12999	* R15 = WORK	* K1368000
				13000	*	* K1368500
				13001	*****	K1369000
000938				13002	COFRTD DS 0H	R4 K1369500
000938	1F11			13003	SLR R1,R1 PICK UP DEFAULT	R4 K1370000
00093A	BF13 D088	00088		13004	ICM R1,3,COMJROUT ROUTE CODE	R4 K1370500
00093E	1801			13005	LR R0,R1 COPY	R4 K1371000
000940	9140 D070	00070		13006	TM COMFLAG,CMBFLAGW THIS REMOTE WORKSTATION	R4 K1371500
000944	4710 C94E	0094E		13007	BO COFRTRDW LOOK AT REMOTE WORKSTATION IF YES	R4 K1372000
000948	4100 10FF	000FF		13008	LA R0,X'FF' (,R1) SET HIGH RANGE	R4 K1372500
00094C	07FE			13009	BR R14 RETURN	R4 K1373000
00094E				13010	COFRTRDW DS 0H	R4 K1374000
00094E	1F11			13011	SLR R1,R1 PICK UP	R4 K1376500
000950	4310 D089	00089		13012	IC R1,COMJRMT REMOTE NUMBER	R4 K1377000
000954	0610			13013	BCTR R1,0 REDUCE BY ONE	R4 K1377500
000956	4C10 CB0C	00B0C		13014	MH R1,=Y(RATTLE) GET OFFSET	R4 K1378000
00095A	5E10 B1F0	001F0		13015	AL R1,\$RATABLE POINT TO RAT ELEMENT	R4 K1378500
00095E	4300 1011	00011		13016	IC R0,RATROUTE+1-RATDSECT(,R1) PICK UP REMOTE ROUTING	R4 K1379000
000962	1810			13017	LR R1,R0 COPY	R4 K1379500
000964	07FE			13018	BR R14 RETURN	R4 K1380000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13020	*****	K1381000
				13021	*	* K1381500
				13022	* COFRTR -- CONVERT DESTINATION RANGES TO ROUTE RANGES	* K1382000
				13023	*	* K1382500
				13024	* COFRTRA -- CONVERT ADJUSTED RANGES TO ROUTE RANGES	* K1383000
				13025	*	* K1383500
				13026	* REGISTERS USED	* K1384000
				13027	*	* K1384500
				13028	* R0 = HIGH BOUND ANSWER	* K1385000
				13029	* WD = POINTER TO OPERAND POINTER	* K1385500
				13030	* R1 = LOW BOUND ANSWER	* K1386000
				13031	* R14 = LINKAGE	* K1386500
				13032	* R15 = WORK	* K1387000
				13033	*	* K1387500
				13034	*****	K1388000
000966				13035	COFRTR DS 0H	R4 K1388500
000966	1F00			13036	SLR R0,R0 ZERO HIGH BOUND ANSWER	R4 K1389000
000968	900F B3A0	003A0		13037	STM R0,R15,\$CSAVREG SAVE ALL REGISTERS	R4 K1389500
00096C	9867 5000	00000		13038	LM WE,WF,0(WD) POINT TO FIRST	R4 K1390000
000970	4160 6000	00000		13039	LA WE,0(,WE) PURIFY	R4 K1390500
000974	47F0 C98A	0098A		13040	B COFRTRP ENTER COMMON CODE	R4 K1391000
000978				13041	COFRTRA DS 0H	R4 K1391500
000978	1F00			13042	SLR R0,R0 ZERO HIGH BOUND ANSWER	R4 K1392000
00097A	900F B3A0	003A0		13043	STM R0,R15,\$CSAVREG SAVE ALL REGISTERS	R4 K1392500
00097E	9867 5000	00000		13044	LM WE,WF,0(WD) PICK UP POINTERS	R4 K1393000
000982	4160 6002	00002		13045	LA WE,2(,WE) ADJUST FOR 'X='	R4 K1393500
000986	47F0 C992	00992		13046	B COFRTRB SKIP TO CONVERT RANGE @OZ34683	K1393700
00098A	95F0 6000	00000		13047	COFRTRP CLI 0(WE),C'0' THIS NUMERIC	R4 K1394000
00098E	47B0 CA20	00A20		13048	BNL COFRTRN DO NUMERIC CONVERT IF YES	R4 K1394500
000992	4170 7000	00000		13049	COFRTRB LA WF,0(,WF) PURIFY @OZ34683	K1395000
000996	0670			13050	BCTR WF,0 AND LAST	R4 K1395500
000998	18A7			13051	COFRTRL LR R10,WF COPY END + 1	R4 K1396000
00099A	0670			13052	BCTR WF,0 POINT TO END CHARACTER	R4 K1396500
00099C	1857			13053	LR WD,WF COPY END	R4 K1397000
00099E	1BA6			13054	SR R10,WE GET LENGTH	R4 K1397500
0009A0	47D0 CA1A	00A1A		13055	BNP COFRTRE ERROR EXIT IF NOT SOLID	R4 K1398000
0009A4	9560 7000	00000		13056	COFRTRD CLI 0(WF),C'-' THIS DASH	R4 K1398500
0009A8	4780 C9B2	009B2		13057	BE COFRTRD CONVERT WHAT WE HAVE IF DASH	R4 K1399000
0009AC	0670			13058	BCTR WF,0 REDUCE	R4 K1399500
0009AE	46A0 C9A4	009A4		13059	BCT R10,COFRTRD LOOP	R4 K1400000
0009B2	4110 7001	00001		13060	COFRTRD LA R1,1(,WF) BACK TO FIRST CHARACTER	R4 K1400500
0009B6	D207 D090 CA98	00090 00A98		13061	MVC COMDWORK,=CL8' ' SET BLANKS	R4 K1401000
0009BC	1B51			13062	SR WD,R1 GET MACHINE LENGTH	R4 K1401500
0009BE	4740 CA1A	00A1A		13063	BM COFRTRE ERROR IF NOT SOLID	R4 K1402000
0009C2	4950 CB20	00B20		13064	CH WD,=Y(8) TOO LONG	R4 K1402500
0009C6	47B0 CA1A	00A1A		13065	BNL COFRTRE EXIT WITH ERROR IF TOO LONG	R4 K1403000
0009CA	4450 CA42	00A42		13066	EX WD,COFRTRM MOVE TEXT TO WORK	R4 K1403500
0009CE	4110 D090	00090		13067	LA R1,COMDWORK POINT TO WORK AREA	R4 K1404000
0009D2	1F22			13068	SLR R2,R2 PICK UP	R4 K1404500
0009D4	4320 D088	00088		13069	IC R2,COMJSYS DEFAULT BYTE 1	R4 K1405500
0009D8	58B0 B150	00150		13070	L R11,\$SSVT POINT TO SSVT	R4 K1407500
0009DC	58F0 B154	00154		13071	L R15,\$SVDEST-SSVT(,R11) POINT TO CONVERT ROUTINE	R4 K1408000
0009E0	05EF			13072	BALR R14,R15 ENTER IT	R4 K1408500
0009E2	47F0 CA16	00A16		13073	B COFRTREX EXIT WITH ERROR + 0	R4 K1409000
0009E6	58B0 B17C	0017C		13074	L R11,\$SVHCT-SSVT(,R11) RESTORE BASE REGISTER + 4	R4 K1409500
0009EA	5020 B3A4	003A4		13075	ST R2,\$CSAVREG+(R1*4) SET LOW BOUND	R4 K1410000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0009EE	D603 B3A0 B3A0	003A0	003A0	13076	OC	\$CSAVREG(4), \$CSAVREG HAS HIGH BOUND BEEN SET	R4 K1410500
0009F4	4770 CA02	00A02		13077	BNZ	COFRTRX EXIT IF END	R4 K1411000
0009F8	5020 B3A0	003A0		13078	ST	R2, \$CSAVREG SET HIGH BOUND	R4 K1411500
0009FC	12AA			13079	LTR	R10, R10 ANY MORE	R4 K1412000
0009FE	4770 C998	00998		13080	BNZ	COFRTRL LOOP IF MORE	R4 K1412500
000A02	980F B3A0	003A0		13081	COFRTRX LM	R0, R15, \$CSAVREG RESTORE REGISTERS	R4 K1413000
000A06	1910			13082	CR	R1, R0 IS LOW REALLY LOW	R4 K1413500
000A08	47D0 CA12	00A12		13083	BNH	SKIP10 SKIP NEXT IF OK	R4 K1414000
000A0C	1810			13084	LR	R1, R0 MAKE SAME AS HIGH	R4 K1414500
000A0E	5010 B3A4	003A4		13085	ST	R1, \$CSAVREG+(R1*4) SET FOR TESTING	R4 K1415000
000A12	47F0 E004	00004		13086	SKIP10 B	4(, R14) RETURN	R4 K1415500
000A16	58B0 B17C	0017C		13087	COFRTREX L	R11, \$SVHCT-SSVT(, R11) POINT TO HCT	R4 K1416000
000A1A	980F B3A0	003A0		13088	COFRTRE LM	R0, R15, \$CSAVREG RESTORE REGISTERS	R4 K1416500
000A1E	07FE			13089	BR	R14 RETURN	R4 K1417000
				13090	COFRTRN	\$CFCVB POINTER=(WD), NOK=COFRTRE CONVERT TO BINARY	R4 K1417500
000A20				13091	COFRTRN DS	0H Z0006000	
000A20	1815			13092+	LR	R1, WD CJ018000	
000A22	45E0 C456	00456		13093+	BAL	LINK, COFCVB CONVERT NUMBERS TO BINARY	K0193500
000A26	47F0 CA1A	00A1A		13094+	B	COFRTRE BRANCH IF OPERAND INVALID	K0196500
000A2A	4900 CB22	00B22		13095	CH	R0, =Y(255) TOO HIGH	R4 K1418000
000A2E	4720 CA1A	00A1A		13096	BH	COFRTRE ERROR EXIT	R4 K1418500
000A32	BF02 B424	00424		13097	ICM	R0, 2, \$OWNSYS SET HIGH ANSWER	R4 K1419500
000A36	BF12 B424	00424		13098	ICM	R1, 2, \$OWNSYS SET LOW ANSWER	R4 K1420000
000A3A	982F B3A8	003A8		13099	LM	R2, R15, \$CSAVREG+(R2*4) RESTORE REGISTERS	R4 K1422500
000A3E	47F0 E004	00004		13100	B	4(, R14) RETURN	R4 K1423000
000A42	D200 D090 1000	00090	00000	13101	COFRTRM MVC	COMDWORK(*-*), 0(R1) MOVE TEXT TO WORK	R4 K1423500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22		
				13103	COFSEL \$CFSEL TYPE=RES,INFO=YES .	K1424500		
				13105+	*****	K1073000		
				13106+		* K1073500		
				13107+	COFSEL -- SELECT A ROUTINE BASED ON KEY INPUT CHARACTER	* K1074000		
				13108+		* K1074500		
				13109+	ROUTINE MATCHES THE DESIGNATED INPUT CHARACTER AGAINST	* K1075000		
				13110+	THE LIST OF ARGUMENTS PROVIDED AND TRANSFERS CONTROL TO	* K1075500		
				13111+	THE ROUTINE DESIGNATED BY THE CORRESPONDING ADDRESS.	* K1076000		
				13112+	NO \$WAITS ARE ISSUED.	* K1076500		
				13113+		* K1077000		
				13114+	REGISTERS USED	* K1077500		
				13115+	R1 = ADDRESS OF INPUT CHARACTER	* K1078000		
				13116+	LINK = RETURN (USED IF NO MATCH FOUND)	* K1078500		
				13117+	R15 = WORK REGISTER	* K1079000		
				13118+		* K1079500		
				13119+	NOTES	* K1080000		
				13120+	SEVERAL METHODS OF SELECTION ARE USED BASED UPON THE	* K1080500		
				13121+	LENGTH OF THE ARGUMENT LIST.	* K1081000		
				13122+	THE SELECTED ROUTINE MUST BE LOCATEABLE VIA AN S TYPE	* K1081500		
				13123+	CONSTANT.	* K1082000		
				13124+		* K1082500		
				13125+	*****	K1083000		
000A48				13126+	COFSEL DS 0H	Z0006000		
000A48	D500	F000	1000	00000	00000	13127+	COF0219T CLC 0(1,R15),0(R1) SEARCH TABLE LOOKING FOR	K1091000
000A4E	4770	CA58		00A58		13128+	BNE *+10 EQUAL OPERANDS	K1091500
000A52	58E0	F000		00000		13129+	L LINK,0(,R15) WHEN FOUND INSERT ADDRESS	K1092000
000A56	07FE					13130+	BR LINK INTO LINK AND EXIT TO SUB-RTN	K1092500
000A58	41F0	F004		00004		13131+	LA R15,4(,R15) ELSE STEP THROUGH TABLE	K1093000
000A5C	4740	CA48		00A48		13132+	BL COF0219T LOOP WHILE STILL IN TABLE	K1093500
000A60	07FE					13133+	BR LINK ELSE RETURN IN ERROR	K1094000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13135	COFVQE \$CFVQE TYPE=RES,INFO=YES .	K1425500
				13137+	*****	K1103500
				13138+	*	K1104000
				13139+	COFVQE -- VERIFY CONSOLE CONTROL OVER JOB	* K1104500
				13140+	*	K1105000
				13141+	ROUTINE TESTS FOR RESTRICTED CONSOLE AND, IF RESTRICTED	* K1105500
				13142+	AND NEITHER PRINT OR PUNCH ROUTING IS TO THE RESTRICTED	* K1106000
				13143+	UNIT RECORD GROUP, THE JOB IS 'NOT OK'.	* K1106500
				13144+	OTHERWISE THE JOB IS 'OK'.	* K1107000
				13145+	NO \$WAITS ARE ISSUED.	* K1107500
				13146+	*	K1108000
				13147+	REGISTERS USED	* K1108500
				13148+	R0 = WORK	* K1109000
				13149+	R1 = JOB QUEUE ELEMENT ADDRESS	* K1109500
				13150+	LINK = RETURN	* K1110000
				13151+	R15 = WORK	* K1110500
				13152+	*	K1111000
				13153+	EXITS	* K1111500
				13154+	CC = (E) - JOB QUEUE ELEMENT OK	* K1112000
				13155+	CC = (NE) - JOB QUEUE ELEMENT NOK	* K1112500
				13156+	*	K1113000
				13157+	*****	K1113500
000A62				13158+	COFVQE DS 0H	K1119500
000A62	9108 D07F		0007F	13159+	TM COMAUTH,CMBFLAGR ENTRY CONSOLE ONLY RMT AUTHORIZED	R4 K1120000
000A66	078E			13160+	BZR LINK NO--RETURN 'OK'--EQUAL	K1120500
000A68	4800 D088		00088	13161+	LH R0,COMJRUT PICK UP JOB ROUTE	R4 K1121500
000A6C	BF02 CB24		00B24	13162+	ICM R0,2,=H'0' PURIFY REMOTE ID	R4 K1125500
000A70	0600			13163+	BCTR R0,0 LESS ONE FOR TRUE INDEX	K1126000
000A72	4C00 CB0C		00B0C	13164+	MH R0,=Y(RATTLE) TIMES RAT SIZE FOR DISPLACEMENT	K1126500
000A76	18F0			13165+	LR R15,R0 FIND DESIRED	R4 K1127000
000A78	5EF0 B1F0		001F0	13166+	AL R15,\$RATABLE RAT ELEMENT	R4 K1127500
000A7C	4800 F010		00010	13167+	LH R0,RATROUTE-RATDSECT(,R15) GET RAT ROUTE CODE	K1128000
000A80	9520 1001		00001	13168+	COFVQEK CLI JQETYPE,\$INPUT IS JOB ON READER...	R41 K1128500
000A84	4780 CA8E		00A8E	13169+	BE *+10 BR IF YES (IGNORE PRT ROUTE)	R41 K1128600
000A88	4900 100C		0000C	13170+	CH R0,JQEPRTT CHECK IT WITH JOB'S PRT RT	R41 K1128700
000A8C	078E			13171+	BER LINK EQUAL 'OK'	K1129000
000A8E	4900 100E		0000E	13172+	CH R0,JQEPUNRT CHECK IT WITH JOB'S PUN RTE	K1129500
000A92	07FE			13173+	BR LINK RETURN-- EQ='OK' NE='NOK'	K1130000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
000A98				13175	LTORG ,	K1426500
000A98	4040404040404040			13176	=CL8' '	
000AA0	C9C47E5C5C5C5C40			13177	=CL8'ID=****'	
000AA8	40C9D5E5C1D3C9C4			13178	=C'INVALID COMMAND'	
000AB8	40C9D5E5C1D3C9C4			13179	=C'INVALID OPERAND'	
000AC8	000062A2			13180	=A(HASPCSY1)	
000ACC	000006F4			13181	=A(COFPRINT)	
000AD0	000019B4			13182	=A(COFPRDEV)	
000AD4	00001FC8			13183	=A(HASPCOME)	
000AD8	00000004			13184	=F'4'	
000ADC	000F4240			13185	=F'1000000'	
000AE0	00015180			13186	=A(60*60*24)	
000AE4	00001A48			13187	=A(CVALIDTB)	
000AE8	0000FFFF			13188	=A(X'0000FFFF')	
000AEC	0000FFFF			13189	=X'0000FFFF'	
000AF0	0CCCCCD			13190	=F'214748365'	
000AF4	D6D2			13191	=C'OK'	
000AF6	03D2			13192	=Y(CPJES2-HASPCSY1)	
000AF8	016D			13193	=H'365'	
000AFA	000A			13194	=H'10'	
000AFC	270F			13195	=H'9999'	
000AFE	402020202120			13196	=X'402020202120'	
000B04	D9C4			13197	=CL2'RD'	
000B06	D7D9			13198	=CL2'PR'	
000B08	D7E4			13199	=CL2'PU'	
000B0A	0038			13200	=AL2(RATTLE)	
000B0C	0038			13201	=Y(RATTLE)	
000B0E	C9D5E3D9C4D9			13202	=C'INTRDR'	
000B14	0022			13203	=Y(JOEJOE-JOEDSECT)	
000B16	40D9404040404040			13204	=CL10' R'	
000B20	0008			13205	=Y(8)	
000B22	00FF			13206	=Y(255)	
000B24	0000			13207	=H'0'	
000B26	C3D6D4D4C1D5C440			13208	=C'COMMAND PURGED--SHARED QUEUES UNAVAILABLE'	
000B4F	D9D4E3			13209	=C'RMT'	
000B52	C3D6D5			13210	=C'CON'	
000B55	D9C4C9			13211	=C'RD1'	
000B58	000000			13212	=XL3'00'	
000B5B	D3D6C3C1D3			13213	=C'LOCAL'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22		
				13215	COFDCTD \$CFDCTD TYPE=RES,INFO=YES DCT DISPLAY ROUTINE	R4 K1427500		
				13217+	*****	K0243000		
				13218+	*	K0243500		
				13219+	COFDCTD -- DEVICE CONTROL TABLE DISPLAY	* K0244000		
				13220+	*	K0244500		
				13221+	ROUTINE CREATES A STATUS MESSAGE IN AREA 'COMMAND' AND	* K0245000		
				13222+	INITIATES OPERATOR RESPONSE.	* K0245500		
				13223+	\$WAIT MAY BE ISSUED.	* K0246000		
				13224+	*	K0246500		
				13225+	REGISTERS USED	* K0247000		
				13226+	R0 = LENGTH OF MESSAGE	* K0247500		
				13227+	R1 = ADDRESS OF DCT, WORK REGISTER, PARAMETER TO \$WTO	* K0248000		
				13228+	HIGH-ORDER BYTE OF R1 INDICATES TYPE OF DISPLAY	* K0248500		
				13229+	X'FF' -RAT ADDR DISPLAY RAT INFO	* K0248600		
				13230+	X'0F' DCT ADDR DISPLAY EXTENDED DCT INFO	* K0248700		
				13231+	X'00' DCT ADDR DISPLAY SHORT DCT INFO	* K0248800		
				13232+	WA = LINK REGISTER	* K0249000		
				13233+	LINK = LINKAGE TO \$WTO	* K0249500		
				13234+	R15 = WAIT RETURN	* K0250000		
				13235+	*	K0250500		
				13236+	WORK AREAS USED	* K0251000		
				13237+	COMWORK USED TO SAVE PTR TO DCT (R1)	* K0251500		
				13238+	COMFWORK USED TO SAVE RETURN ADDRESS (WA)	* K0252000		
				13239+	COMDWORK USED TO SAVE REGS (R1 AND WA) OVER \$CWTO	* K0252500		
				13240+	COMJNAME USED AS OVERFLOW MESSAGE AREA	* K0253000		
				13241+	*	K0253500		
				13242+	*****	K0254000		
000B60				13243+	COFDCTD DS 0H	Z0006000		
			00B60	13244+	USING *,BASE3 ESTABLISH ROUTINE ADDRESSABILITY	R4 K0261500		
000B60	5010	D08C	0008C	13245+	ST R1,COMWORK SAVE ADDR OF DCT	R4 K0262000		
000B64	5020	D0A8	000A8	13246+	ST WA,COMFWORK SAVE CONTENTS OF WA -- USE ASE WK	R4 K0262500		
000B68	9240	D0B6	000B6	13247+	MVI COMMAND,C' ' CLEAR RESPONSE AREA	K0263000		
000B6C	D2CE	D0B7	D0B6	000B7	000B6	13248+	MVC COMMAND+1(L'COMMAND+L'COMJNAME-1),COMMAND	R4 K0263500
000B72	1211					13249+	LTR R1,R1 TEST PASSED ADDRESS	R41 K0263600
000B74	4720	8040		00BA0		13250+	BP COFP0222 POSITIVE MEANS A DCT ADDRESS	R41 K0263700
000B78	1011					13251+	LPR R1,R1 ELSE = -RAT, SO MAKE POSITIVE	R41 K0263800
000B7A	4120	D0CD	000CD			13252+	LA WA,COMMAND+23 BUMP PAST BASIC MESSAGE	R41 K0263900
000B7E	D20B	D0C0	8810	000C0	01370	13253+	MVC COMMAND+10(12),=C'*** INACTIVE' INDICATE INACTIVE	R41 K0264000
000B84	5810	100C	0000C			13254+	L R1,RATLDCT-RATDSECT(,R1) GET LINE DCT ADDRESS	R41 K0264100
000B88	1211					13255+	LTR R1,R1 IS REMOTE CONNECTED	R41 K0264200
000B8A	4780	8150	00CB0			13256+	BZ COF0222D NO, LEAVE INACTIVE	R41 K0264300
000B8E	9180	1000	00000			13257+	TM DCTSTAT-DCTDSECT(R1),DCTINUSE IS RMT ACTIVE	R41 K0264400
000B92	4780	8150	00CB0			13258+	BZ COF0222D NO, LEAVE INACTIVE	R41 K0264500
000B96	D207	D0C4	87D0	000C4	01330	13259+	MVC COMMAND+14(8),=C'ACTIVE ' ELSE SHOW ACTIVE	R41 K0264600
000B9C	47F0	811E	00C7E			13260+	B COF0222W GO CONTINUE PROCESSING	R41 K0264700
000BA0	D207	D0B6	1018	000B6	00018	13262+	COFP0222 MVC COMMAND(8),DCTDEVN-DCTDSECT(R1) SET DEVICE NAME	R41 K0264900
000BA6	D20B	D0C0	881C	000C0	0137C	13263+	MVC COMMAND+10(12),=C'*** DRAINING' SET DEVICE DRAINING	K0265000
000BAC	9140	1000	00000			13264+	TM DCTSTAT-DCTDSECT(R1),DCTDRAIN TEST FOR DRAIN BIT	K0265100
000BB0	4780	8066	00BC6			13265+	BZ COF0222A BRANCH IF NOT DRAINED OR DRAINING	K0265500
000BB4	9180	1000	00000			13266+	TM DCTSTAT-DCTDSECT(R1),DCTINUSE TEST FOR DRAINING	K0266000
000BB8	4710	80BE	00C1E			13267+	BO COF0222B LOCATE UCB 'DRAINING'	K0266500
000BBC	D202	D0C9	887A	000C9	013DA	13268+	MVC COMMAND+19(3),=CL3'ED' SET 'DRAINED'	K0267000
000BC2	47F0	80BE	00C1E			13269+	B COF0222B LOCATE UCB 'DRAINED'	K0267500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
000BC6	D207	D0C4	87D8	000C4	01338	13270+COF0222A	MVC COMMAND+14(8),=CL8'ACTIVE' SET UNIT ACTIVE	K0268000
000BCC	9180	1000		00000		13271+	TM DCTSTAT-DCTDSECT(R1),DCTINUSE TEST FOR ACTIVE	K0268500
000BD0	4780	8086		00BE6		13272+	BZ COF02225 IF NOT ACTIVE CHK FURTHER	K0269000
000BD4	9180	1014		00014		13273+	TM DCTFLAGS-DCTDSECT(R1),DCTSTOP TEST FOR HALTED	K0269500
000BD8	4780	80BE		00C1E		13274+	BZ COF0222B NOOGO FIND UCB POSSIBLY	K0270000
000BDC	D207	D0C4	87E0	000C4	01340	13275+	MVC COMMAND+14(8),=CL8'HALTED' DEVICE IS HALTED	K0270500
000BE2	47F0	80BE		00C1E		13276+	B COF0222B GO LOOK FOR UCB	K0271000
000BE6	9120	1011		00011		13277+COF02225	TM DCTDEVTP-DCTDSECT(R1),DCTPRPU TEST FOR PRT/PUN	K0272000
000BEA	4780	80A0		00C00		13278+	BZ COF02226 NO--CAN'T BE PAUSING	K0272500
000BEE	9101	1000		00000		13279+	TM DCTSTAT-DCTDSECT(R1),DCTPAUSE TEST FOR PAUSED	K0273000
000BF2	4780	80A0		00C00		13280+	BZ COF02226 NO--JUST INACTIVE	K0275000
000BF6	D207	D0C4	87E8	000C4	01348	13281+	MVC COMMAND+14(8),=CL8'PAUSED' SET PRT/PUN PAUSING	K0275500
000BFC	47F0	80BE		00C1E		13282+	B COF0222B GO LOOK FOR UCB	K0276000
000C00	D207	D0C4	87F0	000C4	01350	13283+COF02226	MVC COMMAND+14(8),=CL8'INACTIVE' SET DEVICE AS INACTIVE	K0276500
000C06	9514	1011		00011		13284+	CLI DCTDEVTP-DCTDSECT(R1),DCTINR TEST INTRDR @OZ68422	K0276550
000C0A	4770	80BE		00C1E		13285+	BNE COF0222B BRANCH IF NO @OZ68422	K0276600
000C0E	D503	1068	8828	00068	01388	13286+	CLC RIDJBID-DCTDSECT(4,R1),=F'0' TEST FOR JOB @OZ68422	K0276650
000C14	4780	80BE		00C1E		13287+	BE COF0222B BR IF NOT ALLOCATED @OZ68422	K0276700
000C18	D207	D0C4	87F8	000C4	01358	13288+	MVC COMMAND+14(8),=CL8'ACTIVE' ELSE SET ACTIVE @OZ68422	K0276750

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13290+	*****	K0276900
				13291+	* DCT STATUS SET IN MESSAGE - LOCATE AND SET DEVICE ADDRESS	* K0277000
				13292+	*****	K0277100
000C1E	4120 D0CD	000CD		13293+	COF0222B LA WA,COMMAND+23 BUMP PAST BASIC MESSAGE	R4 K0277500
000C22	9514 1011	00011		13294+	CLI DCTDEVTP-DCTDSECT(R1),DCTINR TEST FOR INTERNAL RDR	R4 K0278000
000C26	4780 8150	00CB0		13295+	BE COF0222D YES SKIP UCB LOCATE	K0278500
000C2A	9506 1011	00011		13296+	CLI DCTDEVTP-DCTDSECT(R1),DCTLOG TEST OF LOGON	R4 K0279500
000C2E	4780 8126	00C86		13297+	BE COFI0222 YES, BR - USE SNA IN UNIT FIELD	R4 K0280000
000C32	9102 1011	00011		13298+	TM DCTDEVTP-DCTDSECT(R1),DCTRJE TEST FOR RJE	K0281500
000C36	4780 8130	00C90		13299+	BZ COF0222C NO--SKIP NEXT TEST	K0283500
000C3A	9502 1011	00011		13300+	CLI DCTDEVTP-DCTDSECT(R1),DCTLNE SEPERATE LINES	K0284000
000C3E	4780 80F2	00C52		13301+	BE COF0222S FROM REMOTE DEVICES	R4 K0284500
000C42	9108 102F	0002F		13302+	TM MDCTSTAT-DCTDSECT(R1),DCTSINON IS REMOTE SIGNED ON	R4 K0285000
000C46	4780 8150	00CB0		13303+	BZ COF0222D IF NOT, MESSAGE IS COMPLETE	K0285500
000C4A	5810 1008	00008		13304+	L R1,DCTDCB-DCTDSECT(0,R1) PICK UP LINE DCT	K0286000
000C4E	47F0 811E	00C7E		13305+	B COF0222W GO FIND THE LINE UNIT ADDRESS	R4 K0286500
000C52	58F0 1044	00044		13306+	COF0222S L R15,MDCTRAT-DCTDSECT(,R1) GET RAT ENTRY ADDRESS	R4 K0287000
000C56	12FF			13307+	LTR R15,R15 TEST FOR ACTIVE USER	R4 K0287500
000C58	4780 811E	00C7E		13308+	BZ COF0222W NO, BR- GO INSERT THE DEVICE ADDR	R4 K0288000
000C5C	924D 2000	00000		13309+	MVI 0(WA),C'(' INSERT OPEN PAREN	R4 K0288500
000C60	D207 2001 F000	00001 00000		13310+	COF02223 MVC 1(L'RATNAME,WA),RATNAME-RATDSECT(R15) MOVE IN RMT ID	R4 K0292500
000C66	4120 2008	00008		13311+	LA WA,L'RATNAME(,WA) POINT TO LAST BYTE OF REMOTE ID	R4 K0293000
000C6A	9540 2000	00000		13312+	COF02220 CLI 0(WA),C' ' IS THIS A BLANK CHARACTER	R4 K0293500
000C6E	4770 8116	00C76		13313+	BNE *+8 SKIP NEXT INSTR. IF NON-BLANK	R4 K0294000
000C72	4620 810A	00C6A		13314+	BCT WA,COF02220 BACK UP ONE BYTE AND LOOP TO TEST	R4 K0294500
000C76	925D 2001	00001		13315+	MVI 1(WA),C')' MOVE CLOSING PAREN AFTER CHAR	R4 K0295000
000C7A	4120 2003	00003		13316+	LA WA,3(,WA) STEP PAST CHAR, PAREN, AND BLANK	R4 K0295500
000C7E				13317+	COF0222W DS 0H	R4 K0296000
000C7E	9180 102D	0002D		13318+	TM MDCTTYPE-DCTDSECT(R1),DCTPSNA TEST FOR SNA LINES	R4 K0297000
000C82	47E0 8130	00C90		13319+	BNO COF0222C NO, GO FIND UCB ADDRESS	R4 K0297500
000C86	D202 D0C0 887D	000C0 013DD		13320+	COFI0222 MVC COMMAND+10(3),=CL3'SNA' INSERT SNA IN UNIT ADDR FIELD	R4 K0298000
000C8C	47F0 8150	00CB0		13321+	B COF0222D SKIP UCB LOCATE	R4 K0298500
000C90	5810 1008	00008		13322+	COF0222C L R1,DCTDCB-DCTDSECT(0,R1) PICK UP DCB	K0299500
000C94	5810 102C	0002C		13323+	L R1,DCBDEBAD-DCBDSECT(0,R1) PICK UP DEB	K0300000
000C98	D602 1001 1001	00001 00001		13324+	OC DEBTCBAD+1-DEBDSECT(3,R1),DEBTCBAD+1-DEBDSECT(R1)	K0300500
000C9E	4780 8150	00CB0		13325+	BZ COF0222D IF DEB NOT INITIALIZED, MESSAGE SET	K0301000
000CA2	BF17 1021	00021		13326+	ICM R1,7,DEBSUCBB-DEBDSECT(R1) GET UCB, IS IT SET...	R4 K0301500
000CA6	4780 8150	00CB0		13327+	BZ COF0222D IF NOT, MESSAGE COMPLETE	K0302000
000CAA	D202 D0C0 100D	000C0 0000D		13328+	MVC COMMAND+10(3),UCBNAME-UCBDSECT(R1) INSERT UNIT ADDRESS	K0302500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				13330+	*****		K0302900
				13331+	TEST FOR EXTENDED DISPLAY OF DCT		* K0303000
				13332+	*****		K0303100
000CB0				13334+	COF0222D DS 0H	CHECK FOR EXTENDED DISPLAY	K0304000
000CB0	91FF D08C	0008C		13335+	TM COMEWORK,X'FF'	WAS INPUT ADDR A -RAT	R41 K0304100
000CB4	4710 8704	01264		13336+	BO COFT0222	YES GO DISPLAY RAT INFO	R41 K0304200
000CB8	5810 D08C	0008C		13337+	L R1,COMEWORK	RESTORE DCT POINTER	K0304500
000CBC	9542 1011	00011		13338+	CLI DCTDEVTP-DCTDSECT(R1),DCTRCON	TEST FOR REMOTE CONS.	R41 K0304600
000CC0	4780 867E	011DE		13339+	BE COF0222X	WRITE MESSAGE AND EXIT	R41 K0304700
000CC4	91FF D08C	0008C		13340+	TM COMEWORK,X'FF'	TEST FOR EXTENDED DISPLAY	K0305000
000CC8	4780 867E	011DE		13341+	BZ COF0222X	NO-- WRITE MESSAGE AND EXIT	R4 K0305500
				13342+	*****		K0306000
				13343+	EXTENDED DISPLAY OF DCT IS DESIRED		* K0306500
				13344+	*****		K0307000
000CCC	9502 1011	00011		13345+	CLI DCTDEVTP-DCTDSECT(R1),DCTLNE	CHECK FOR RJE LNE	K0307500
000CD0	4780 8622	01182		13346+	BE COF0222F	YES--GO DISPLAY A LINE	K0308000
000CD4	9506 1011	00011		13347+	CLI DCTDEVTP-DCTDSECT(R1),DCTLOG	TEST FOR LOGON DCT	R4 K0309000
000CD8	4780 8646	011A6		13348+	BE COF0222Z	YES, BR - DISPLAY LOGON DCT	R4 K0309500
				13349+	*****		K0310500
				13350+	FORMAT JOB NUMBER AND NAME IF DEVICE IS ACTIVE		* K0311000
				13351+	*****		K0311100
000CDC	9120 1011	00011		13352+	TM DCTDEVTP-DCTDSECT(R1),DCTPRPU	TEST DEVICE....	@OZ46673 K0311110
000CE0	4780 819E	00CFE		13353+	BZ COFN0222	BRANCH IF REMOTE	@OZ46673 K0311120
000CE4	9180 1047	00047		13354+	TM DCTPPSW2-DCTDSECT(R1),DCTNIPRT	3800 PRINTER	@G38ESBB K0311200
000CE8	4780 819E	00CFE		13355+	BZ COFN0222	BR IF NOT	@G38ESBB K0311300
000CEC	58F0 1000	00000		13356+	L R15,DCTPCE-DCTDSECT(,R1)	GET PCE ADDRESS	@G38ESBB K0311400
000CF0	58F0 F1C8	001C8		13357+	L R15,PQHADR-PCEDSECT(,R15)	GET 3800 PQH ADDRESS	@G38ESBB K0311500
000CF4	58F0 F020	00020		13358+	L R15,PQHXJQE-PQHDSECT(,R15)	GET JQE AT XFER STAT	@G38ESBB K0311600
000CF8	12FF			13359+	LTR R15,R15	TEST FOR JOB AT XFER STAT	@G38ESBB K0311700
000CFA	4770 81B8	00D18		13360+	BNZ COFO0222	BR IF YES	@G38ESBB K0311800
000CFE	9180 1000	00000		13361+	COFN0222 TM DCTSTAT-DCTDSECT(R1),DCTINUSE	TEST FOR ACTIVITY	@G38ESBB K0311900
000D02	4780 8218	00D78		13362+	BZ COF0222G	NO--FORGET JOB PORTION	K0312000
				13364+	L R15,DCTPCE-DCTDSECT(,R1)	GET POINTER TO PCE	K0313000
000D0A	58F0 F06C	0006C		13365+	L R15,PCEJQE-PCEDSECT(,R15)	GET THE JQE ADDRESS	@OZ32566 K0314000
				13366+	THIS LINE DELETED BY APAR NUMBER		@OZ32566 K0314500
				13367+	THIS LINE DELETED BY APAR NUMBER		@OZ32566 K0315000
				13368+	THIS LINE DELETED BY APAR NUMBER		@OZ32566 K0315500
				13369+	THIS LINE DELETED BY APAR NUMBER		@OZ32566 K0316000
000D0E	41F0 F000	00000		13370+	LA R15,0(,R15)	PURIFY	R4 K0318000
000D12	12FF			13371+	LTR R15,R15	TEST FOR A JOB	K0318500
000D14	4780 8218	00D78		13372+	BZ COF0222G	NONE -- FORGET IT	K0319000
000D18	D203 2000 882C	00000 0138C		13373+	COFO0222 MVC 0(4,WA),=C'(JOB'	SET JOB PREFIX	@G38ESBB K0319500
000D1E	4800 F002	00002		13374+	LH R0,QUEJOBNO(,R15)	LOAD BINARY JOB NUMBER	K0320000
000D22	4900 8850	013B0		13375+	CH R0,=H'10000'	CHECK FOR JOB	K0320500
000D26	4740 81E2	00D42		13376+	BL COF02227	YES -- CONVERT NBR TO EBCDIC	K0321000
000D2A	D202 2001 8880	00001 013E0		13377+	MVC 1(3,WA),=C'TSU'	ASSUME TIME SHARING USER	K0321500
000D30	4B00 8852	013B2		13378+	SH R0,=H'20000'	CHECK ASSUMPTION	K0322000
000D34	47B0 81E2	00D42		13379+	BNM COF02227	YES -- GO CONVERT NBR TO EBCDIC	K0322500
000D38	4A00 8850	013B0		13380+	AH R0,=H'10000'	NO -- MUST BE SYSTEM TASK	K0323000
000D3C	D202 2001 8883	00001 013E3		13381+	MVC 1(3,WA),=C'STC'	ADJUST NBR AND MSG FOR SAME	K0323500
000D42				13382+	COF02227 DS 0H	CONVERT NUMBER TO EBCDIC	K0324000
000D42	4E00 D090	00090		13383+	CVD R0,COMDWORK	CONVERT TO DECIMAL	K0324500
000D46	D205 2004 8854	00004 013B4		13384+	MVC 4(6,WA),=X'402020202120'	SET EDIT PATTERN	K0325000
000D4C	DE05 2004 D095	00004 00095		13385+	ED 4(6,WA),COMDWORK+5	EDIT CONVERTED JOB NUMBER	K0325500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
000D52	9240	200A	0000A		13386+	MVI	10(WA),C' '	SET BLANK AFTER NUMBER K0326000
000D56	D207	200B	F014 0000B	00014	13387+	MVC	11(L'JQEJNAME,WA),QUEJNAME(R15)	SET J NAME IN MSG K0326500
000D5C	41F0	0008	00008		13388+	LA	R15,L'JQEJNAME	SET MAX LENGTH OF JOB NAME K0327000
000D60	9540	200B	0000B		13389+	COF0222H CLI	11(WA),C' '	CHECK FOR END OF JOB NAME K0327500
000D64	4780	8210	00D70		13390+	BE	*+12	YES -- TRUNCATE STRING K0328000
000D68	4120	2001	00001		13391+	LA	WA,1(,WA)	NO--POINT TO NEXT CHARACTER K0328500
000D6C	46F0	8200	00D60		13392+	BCT	R15,COF0222H	AND LOOP THROUGH NAME K0329000
000D70	925D	200B	0000B		13393+	MVI	11(WA),C')'	END JOB PORTION K0329500
000D74	4120	200D	0000D		13394+	LA	WA,13(,WA)	POINT TO NEXT BYTE OF MSG K0330000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13396+	*****	K0330500
				13397+	TEST FOR PRT/PUN--YES--DISPLAY FORMS AND PAUSE	* K0331000
				13398+	*****	K0331500
000D78				13399+	COF0222G DS 0H	Z0006000
000D78	9120 1011	00011		13400+	TM DCTDEVTP-DCTDSECT(R1),DCTPRPU TEST FOR PRT/PUN	K0335500
000D7C	4780 84D4	01034		13401+	BZ COF0222I NO--GO TO READERS	K0336000
000D80	D201 2000 885A	00000 013BA		13402+	MVC 0(2,WA),=C'F=' SET FORMS PREFIX	K0336500
000D86	D203 2002 1038	00002 00038		13403+	MVC 2(L'DCTFORMS,WA),DCTFORMS-DCTDSECT(R1) SET FORMS SP	K0337000
000D8C	926B 2006	00006		13404+	MVI 2+L'DCTFORMS(WA),C',' SET IN SEPERATOR	K0337500
000D90	9140 1046	00046		13405+	TM DCTPPSW-DCTDSECT(R1),DCTPPSWF CHECK FOR STD FORMS	K0338000
000D94	4780 8242	00DA2		13406+	BZ COF0222J NO -- HASP CONTROLLED	K0338500
000D98	D203 2007 8830	00007 01390		13407+	MVC 2+L'DCTFORMS+1(4,WA),=C'OPER' SET OPERATOR CNTRL	K0339000
000D9E	47F0 824C	00DAC		13408+	B *+14 BR ARND NEXT	K0339500
000DA2				13409+	COF0222J DS 0H	K0340000
000DA2	D204 2007 8886	00007 013E6		13410+	MVC 2+L'DCTFORMS+1(5,WA),=C'AUTOM' SET HASP CNTRLED	K0340500
000DA8	4120 2001	00001		13411+	LA WA,1(WA) UP ONE FOR THE 'M'	K0341000
000DAC	D202 200C 888B	0000C 013EB		13412+	MVC 2+L'DCTFORMS+1+5(3,WA),=C'P=N' SET PAUSE AS NO	K0341500
000DB2	9101 1045	00045		13413+	TM DCTPPFL-DCTDSECT(R1),DCTPAUSE CHECK FOR NO PAUSE	K0342000
000DB6	4780 825E	00DBE		13414+	BZ *+8 NO PAUSE LEAVE AS IS	K0342500
000DBA	92E8 200E	0000E		13415+	MVI 2+L'DCTFORMS+1+5+2(WA),C'Y' PAUSING -- SET 'Y'	K0343000
000DBE	4120 2010	00010		13416+	LA WA,2+L'DCTFORMS+1+5+4(WA) POINT TO NEXT BYTE	K0343500
				13417+	*****	K0344000
				13418+	ROUTING OF PRINT/PUNCH DEVICE	* K0344500
				13419+	*****	K0345000
000DC2	41F0 1012	00012		13420+	LA R15,DCTNO-DCTDSECT(,R1) POINT TO ROUTE CODE	R4 K0345500
000DC6	4100 2001	00001		13421+	LA R0,1(WA) POINT TO TEXT AREA	R4 K0346000
000DCA	45E0 C8EA	008EA		13422+	BAL R14,COFRTC CONVERT TO EBCDIC	R4 K0346500
000DCE	D201 2000 885C	00000 013BC		13423+	MVC 0(2,WA),=C'R=' SET KEYWORD	R4 K0347000
000DD4	4120 200B	0000B		13424+	LA WA,11(WA) POINT TO NEXT SLOT	R4 K0347500
000DD8	9130 1011	00011		13425+	TM DCTDEVTP-DCTDSECT(R1),DCTPUN TEST FOR PUNCHES	K0348000
000DDC	4710 830E	00E6E		13426+	BO COF0222K IF SO SKIP FCB UCS SPC MSG	K0348500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13428+	*****	K0349000
				13429+	PRINTERS ONLY -- FCB, UCS, AND SPACING ATTRIBUTES	* K0349500
				13430+	*****	K0350000
000DE0	D201 2000 885E	00000	013BE	13431+	MVC 0(2,WA),=C'C=' SET FCB PREFIX	K0350500
000DE6	D203 2002 103C	00002	0003C	13432+	MVC 2(L'DCTFCB,WA),DCTFCB-DCTDSECT(R1) SET FCB	K0351000
000DEC	41F0 0006	00006		13433+	LA R15,2+L'DCTFCB LENGTH OF FCB ID	R4 K0351500
000DF0	955C 2002	00002		13434+	CLI 2(WA),C'*' TEST FOR NULL SETTING	R4 K0352000
000DF4	4770 82A0	00E00		13435+	BNE *+12 BR IF NO	R4 K0352500
000DF8	41F0 0003	00003		13436+	LA R15,2+1 ELSE, PRINT A	R4 K0353000
000DFC	9240 2003	00003		13437+	MVI 2+1(WA),C' ' SINGLE '*'	R4 K0353500
000E00	4122 F000	00000		13438+	LA WA,0(WA,R15) POINT TO NEXT FREE BYTE	R4 K0354000
000E04	9120 1046	00046		13439+	TM DCTPPSW-DCTDSECT(R1),DCTPPSWB TEST FOR STD FCB	K0354500
000E08	4710 82B6	00E16		13440+	BO *+14 NO--DON'T FLAG AS STD FCB	K0355000
000E0C	D203 2000 8834	00000	01394	13441+	MVC 0(4,WA),=C',STD' SET AS STANDARD	R4 K0355500
000E12	4120 2004	00004		13442+	LA WA,4(WA) POINT TO NEXT BYTE	K0356000
000E16	4120 2001	00001		13443+	LA WA,1(WA) POINT TO NEXT MESSAGE AREA	R4 K0356500
000E1A	D201 2000 8860	00000	013C0	13444+	MVC 0(2,WA),=C'T=' SET TRAIN PREFIX	K0357000
000E20	D203 2002 1040	00002	00040	13445+	MVC 2(L'DCTUCS,WA),DCTUCS-DCTDSECT(R1) SET TRAIN	K0357500
000E26	9104 1046	00046		13446+	TM DCTPPSW-DCTDSECT(R1),DCTPPSWU TEST FOR STD UCS	K0358000
000E2A	4710 82D8	00E38		13447+	BO *+14 NO--DON'T ADD TO MSG	K0358500
000E2E	D203 2006 8834	00006	01394	13448+	MVC 2+L'DCTUCS(4,WA),=C',STD' SET STD UCS ON PRT	K0359000
000E34	4120 2004	00004		13449+	LA WA,4(WA) POINT TO NEXT BYTE	K0359500
000E38	4120 2007	00007		13450+	LA WA,2+L'DCTUCS+1(WA) POINT TO NEXT BYTE	K0360000
				13452+	*****	K0360900
				13453+	SET SPACING ATTRIBUTES IF PRESENT	* K0361000
				13454+	*****	K0361100
000E3C	9103 1014	00014		13455+	TM DCTFLAGS-DCTDSECT(R1),DCTSPACE CHECK FOR SPCING	K0361500
000E40	4780 830E	00E6E		13456+	BZ COF0222K NONE -- SKIP MESSAGE	K0362000
000E44	D201 2000 8862	00000	013C2	13457+	MVC 0(2,WA),=C'K=' SET SPACING PREFIX	K0362500
000E4A	41F0 00F0	000F0		13458+	LA R15,X'F0' SET ZERO SPACING (F0)	K0363000
000E4E	9102 1014	00014		13459+	TM DCTFLAGS-DCTDSECT(R1),2 CHECK FOR DOUBLE SPACING	K0363500
000E52	4780 82FA	00E5A		13460+	BZ *+8 NO--DON'T INDICATE AS SUCH	K0364000
000E56	41F0 F002	00002		13461+	LA R15,2(,R15) YES--MAKE 'F2' TWO	K0364500
000E5A	9101 1014	00014		13462+	TM DCTFLAGS-DCTDSECT(R1),1 TEST FOR SINGLE SPACING	K0365000
000E5E	4780 8306	00E66		13463+	BZ *+8 NO--DON'T INDICATE AS SUCH	K0365500
000E62	41F0 F001	00001		13464+	LA R15,1(,R15) YES--ADD ONE(EITHER F1 OR F3)	K0366000
000E66	42F0 2002	00002		13465+	STC R15,2(WA) STORE SPACING CHARACTER	K0366500
000E6A	4120 2004	00004		13466+	LA WA,4(WA) POINT TO NEXT MSG BYTE	K0367000
				13468+	*****	K0368000
				13469+	REJOIN PUNCH AND PRINTERS--SERPERATORS AND CLASSES	* K0368500
				13470+	*****	K0369000
000E6E				13471+	COF0222K DS 0H	Z0006000
000E6E	D202 2000 888E	00000	013EE	13472+	MVC 0(3,WA),=C'S=Y' ASSUME SEPERATOES USED	K0370000
000E74	9110 1046	00046		13473+	TM DCTPPSW-DCTDSECT(R1),DCTPPSWB TEST FOR SAME	K0370500
000E78	4780 8320	00E80		13474+	BZ *+8 SEPERATORS BRANCH	K0371000
000E7C	92D5 2002	00002		13475+	MVI 2(WA),C'N' NO SEPERATORS--INDICATE SO	K0371500
000E80	4120 2004	00004		13476+	LA WA,4(WA) FIND NEXT MSG AREA	K0372000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13478+	*****	K0372040
				13479+	DISPLAY RECORD LIMITS	* K0372060
				13480+	*****	K0372080
000E84	5801 0068	00068		13481+	L R0,DCTLIMLO-DCTDSECT(R1) GET LOWER LIMIT	@OZ40627 K0372100
000E88	D203 2000 8838	00000 01398		13482+	MVC 0(4,WA),=C'LIM=' SET LIMITS PREFIX	@OZ40627 K0372120
000E8E	4120 2004	00004		13483+	LA WA,4(,WA) POINT PAST PREFIX	@OZ40627 K0372140
000E92	45E0 836A	00ECA		13484+	BAL LINK,COF30222 EDIT LOWER LIMIT	@OZ40627 K0372160
000E96	5810 D08C	0008C		13485+	L R1,COMWORK RESTORE DCT POINTER	@OZ40627 K0372170
000E9A	9260 2000	00000		13486+	MVI 0(WA),C'-' SET SEPARATOR	@OZ40627 K0372180
000E9E	5801 006C	0006C		13487+	L R0,DCTLIMHI-DCTDSECT(R1) GET UPPER LIMIT	@OZ40627 K0372200
000EA2	5500 883C	0139C		13488+	CL R0,=F'-1' ANY UPPER LIMIT ...	@OZ40627 K0372220
000EA6	4770 8356	00EB6		13489+	BNE COF20222 BR IF YES	@OZ40627 K0372240
000EAA	925C 2001	00001		13490+	MVI 1(WA),C'*' ELSE SHOW NO UPPER LIMIT	@OZ40627 K0372260
000EAE	4120 2003	00003		13491+	LA WA,3(,WA) POINT PAST ENTIRE TEXT	@OZ40627 K0372280
000EB2	47F0 8394	00EF4		13492+	B COF50222 BR TO CONTINUE	@OZ40627 K0372300
000EB6	4120 2001	00001		13494+COF20222	LA WA,1(,WA) POINT PAST '-'	@OZ40627 K0372340
000EBA	45E0 836A	00ECA		13495+	BAL LINK,COF30222 EDIT UPPER LIMIT	@OZ40627 K0372360
000EBE	5810 D08C	0008C		13496+	L R1,COMWORK RESTORE DCT POINTER	@OZ40627 K0372370
000EC2	4120 2001	00001		13497+	LA WA,1(,WA) POINT PAST ENTIRE TEXT	@OZ40627 K0372380
000EC6	47F0 8394	00EF4		13498+	B COF50222 BR TO CONTINUE	@OZ40627 K0372400
000ECA	4E00 B3E0	003E0		13500+COF30222	CVD R0,\$DOUBLE CONVERT VALUE TO DECIMAL	@OZ40627 K0372440
000ECE	D20B B330 87C0	00330 01320		13501+	MVC \$REGSAVE(L'COF0222E),COF0222E SET EDIT PATTERN	@OZ40627 K0372460
000ED4	4110 B33B	0033B		13502+	LA R1,\$REGSAVE+L'COF0222E-1 IN CASE NO SIGNIFICANCE	K0372480
000ED8	DF0B B330 B3E2	00330 003E2		13503+	EDMK \$REGSAVE(L'COF0222E),\$DOUBLE+2 EDIT VALUE	@OZ40627 K0372500
000EDE	41F0 B33B	0033B		13504+	LA R15,\$REGSAVE+L'COF0222E-1 COMPUTE LENGTH OF	@OZ40627 K0372520
000EE2	1FF1			13505+	SLR R15,R1 SIGNIFICANT VALUE	@OZ40627 K0372540
000EE4	44F0 838E	00EEE		13506+	EX R15,COF40222 MOVE VALUE TO MESSAGE	@OZ40627 K0372560
000EE8	412F 2001	00001		13507+	LA WA,1(R15,WA) POINT PAST VALUE	@OZ40627 K0372580
000EEC	07FE			13508+	BR LINK RETURN TO CALLER	@OZ40627 K0372600
000EEE	D200 2000 1000	00000 00000		13509+COF40222	MVC 0(*-*,WA),0(R1) *** EXECUTE ONLY ***	@OZ40627 K0372620

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				13511+	*****		K0373000
				13512+	SET OUTPUT CLASSES FOR PRINTER AND PUNCH		* K0373500
				13513+	*****		K0374000
000EF4	D201 2000 8864	00000	013C4	13514+	COF50222 MVC 0(2,WA),=C'Q=' SET CLASS STRING INDENTIFIER@OZ40627		K0374500
000EFA	1FFF			13515+	SLR R15,R15 SET MAX SYSOUT	R4	K0375000
000EFC	43F0 B319		00319	13516+	IC R15,\$NUMCLAS CLASSES IN STRING	R4	K0375500
000F00	06F0			13517+	BCTR R15,0 LESS ONE FOR MACHINE		K0376000
000F02	44F0 84CE		0102E	13518+	EX R15,COF02221 MOVE STRING TO MSG AREA		K0376500
000F06	41E0 0001		00001	13519+	LA R14,1 SET INCREMENT		K0377000
000F0A	9540 2002		00002	13520+	COF0222L CLI 2(WA),C' ' CHECK FOR END OF CLASSES		K0377500
000F0E	4780 83B8		00F18	13521+	BE COF0222M YES EXIT SCAN RTN		K0378000
000F12	1E2E			13522+	ALR WA,R14 UP BY ONE TILL END OF STRING		K0378500
000F14	47F0 83AA		00F0A	13523+	B COF0222L AND LOOP TILL END OF STRING		K0379000
000F18				13524+	COF0222M DS 0H END OF STRING		K0379500
000F18	4120 2003		00003	13525+	LA WA,3(,WA) POINT TO NEXT MSG BYTE		K0380000
				13526+	*****		K0380100
				13527+	DISPLAY COMPACTION NUMBER		* K0380200
				13528+	*****		K0380300
000F1C	9101 1023		00023	13529+	COFH0222 TM MDCTFEAT-DCTDSECT(R1),DCTPCPCT TEST FOR COMPACTION	R41	K0380400
000F20	4780 8404		00F64	13530+	BZ COFJ0222 NO,SKIP PROCESSING	R41	K0380500
000F24	D201 2000 8866	00000	013C6	13531+	MVC 0(2,WA),=C'Z=' MOVE COMPACTION INDICATOR	R41	K0380600
000F2A	1F00			13532+	SLR R0,R0 CLEAR REGISTER	R41	K0380700
000F2C	4300 1062		00062	13533+	IC R0,DCTDCPTN-DCTDSECT(,R1) INSERT COMPACTION NUMBER	R41	K0380800
000F30	4E00 D090		00090	13534+	CVD R0,COMDWORK CONVERT TO DECIMAL	R41	K0380900
000F34	D203 2002 8840	00002	013A0	13535+	MVC 2(4,WA),=X'40202120' SET EDIT PATTERN	R41	K0381000
000F3A	DE03 2002 D096	00002	00096	13536+	ED 2(4,WA),COMDWORK+6 EDIT FOR PRINT	R41	K0381100
000F40	9540 2004		00004	13537+	CLI 4(WA),C' ' TEST IF NUMBER BETWEEN 0-9	R41	K0381200
000F44	4770 83F6		00F56	13538+	BNE COFK0222 SKIP IF COMPACTION 0-9	R41	K0381300
000F48	D200 2002 2005	00002	00005	13539+	MVC 2(1,WA),5(WA) MOVE 1 BYTE COMPACTION NUMBER	R41	K0381400
000F4E	4120 2003		00003	13540+	LA WA,3(,WA) UPDATE POINTER TO MESSAGE AREA	R41	K0381500
000F52	47F0 8404		00F64	13541+	B COFJ0222 BYPASS 2 BYTE COMPACTION NUMBER	R41	K0381600
000F56	D201 2002 2004	00002	00004	13542+	COFK0222 MVC 2(2,WA),4(WA) MOVE TWO BYTES TO MESSAGE	R41	K0381700
000F5C	4120 2004		00004	13543+	LA WA,4(,WA) UPDATE POINTER TO MESSAGE AREA	R41	K0381800
000F60	9240 2000		00000	13544+	MVI 0(WA),X'40' CLEAN FOR 1 LINE DISPLAY	R41	K0381900
000F64	9180 1047		00047	13545+	COFJ0222 TM DCTPPSW2-DCTDSECT(R1),DCTNIPRT TEST FOR 3800 PRINTER	R41	K0382000
000F68	4780 867E		011DE	13546+	BZ COF0222X BR IF NOT	R4	K0382100
				13548+	*****		K0382300
				13549+	3800 PRINTERS ONLY--BURST,MARK,CHARS,FLASH AND MODIFY		* K0382500
				13550+	*****		K0383000
000F6C	D206 2000 8891	00000	013F1	13551+	MVC 0(7,WA),=C'B=N M=N' ASSUME NO BURST AND NO EDGE-MARK	R4	K0383500
000F72	9140 1047		00047	13552+	TM DCTPPSW2-DCTDSECT(R1),DCTNIBRS TEST FOR BURST MODE	R4	K0384000
000F76	4780 841E		00F7E	13553+	BZ *+8 BR IF NO	R4	K0384500
000F7A	92E8 2002		00002	13554+	MVI 2(WA),C'Y' ELSE INDICATE BURST MODE	R4	K0385000
000F7E	9120 1047		00047	13555+	TM DCTPPSW2-DCTDSECT(R1),DCTNIMRK TEST EDGE-MARK MODE	R4	K0385500
000F82	4780 842A		00F8A	13556+	BZ *+8 BR IF NO	R4	K0386000
000F86	92E8 2006		00006	13557+	MVI 6(WA),C'Y' ELSE INDICATE EDGE-MARK MODE	R4	K0386500
000F8A	4120 2008		00008	13558+	LA WA,7+1(,WA) POINT TO NEXT MSG AREA	R4	K0387000
000F8E	D503 1048 8844	00048	013A4	13560+	CLC DCTCHAR1-DCTDSECT(4,R1),=C'****' TEST FOR CHAR SET	R4	K0388000
000F94	4780 8496		00FF6	13561+	BE COFU0222 BR IF END OF CHARS LIST	R4	K0388500
000F98	D202 2000 8898	00000	013F8	13562+	MVC 0(3,WA),=C'X1=' MOVE IN CHAR SET PREFIX	R4	K0389000
000F9E	D203 2003 1048	00003	00048	13563+	MVC 3(L'DCTCHAR1,WA),DCTCHAR1-DCTDSECT(R1) SET CHAR1 ID	R4	K0389500
000FA4	4120 2008		00008	13564+	LA WA,3+L'DCTCHAR1+1(,WA) POINT TO NEXT MSG AREA	R4	K0390000
000FA8	D503 104C 8844	0004C	013A4	13565+	CLC DCTCHAR2-DCTDSECT(4,R1),=C'****' TEST FOR CHAR SET	R4	K0390500
000FAE	4780 8496		00FF6	13566+	BE COFU0222 BR IF END OF CHARS LIST	R4	K0391000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
000FB2	D202	2000	889B	00000	013FB	13567+	MVC 0(3,WA),=C'X2=' MOVE IN CHAR SET PREFIX	R4 K0391500
000FB8	D203	2003	104C	00003	0004C	13568+	MVC 3(L'DCTCHAR2,WA),DCTCHAR2-DCTDSECT(R1) SET CHAR2 ID	R4 K0392000
000FBE	4120	2008		00008		13569+	LA WA,3+L'DCTCHAR2+1(,WA) POINT TO NEXT MSG AREA	R4 K0392500
000FC2	D503	1050	8844	00050	013A4	13570+	CLC DCTCHAR3-DCTDSECT(4,R1),=C'****' TEST FOR CHAR SET	R4 K0393000
000FC8	4780	8496		00FF6		13571+	BE COFU0222 BR IF END OF CHARS LIST	R4 K0393500
000FCC	D202	2000	889E	00000	013FE	13572+	MVC 0(3,WA),=C'X3=' MOVE IN CHAR SET PREFIX	R4 K0394000
000FD2	D203	2003	1050	00003	00050	13573+	MVC 3(L'DCTCHAR3,WA),DCTCHAR3-DCTDSECT(R1) SET CHAR3 ID	R4 K0394500
000FD8	4120	2008		00008		13574+	LA WA,3+L'DCTCHAR3+1(,WA) POINT TO NEXT MSG AREA	R4 K0395000
000FDC	D503	1054	8844	00054	013A4	13575+	CLC DCTCHAR4-DCTDSECT(4,R1),=C'****' TEST FOR CHAR SET	R4 K0395500
000FE2	4780	8496		00FF6		13576+	BE COFU0222 BR IF END OF CHARS LIST	R4 K0396000
000FE6	D202	2000	88A1	00000	01401	13577+	MVC 0(3,WA),=C'X4=' MOVE IN CHAR SET PREFIX	R4 K0396500
000FEC	D203	2003	1054	00003	00054	13578+	MVC 3(L'DCTCHAR4,WA),DCTCHAR4-DCTDSECT(R1) SET CHAR4 ID	R4 K0397000
000FF2	4120	2008		00008		13579+	LA WA,3+L'DCTCHAR4+1(,WA) POINT TO NEXT MSG AREA	R4 K0397500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
000FF6				13581+	COFU0222 DS 0H	Z0006000
000FF6	D503 1058 8844	00058	013A4	13582+	CLC DCTFLASH-DCTDSECT(4,R1),=C'****' TEST FOR FLASH ID	R4 K0398500
000FFC	4780 84B0		01010	13583+	BE *+20 BR IF NOT SET	R4 K0399000
001000	D201 2000 8868	00000	013C8	13584+	MVC 0(2,WA),=C'O=' SET FLASH PREFIX	R4 K0399500
001006	D203 2002 1058	00002	00058	13585+	MVC 2(L'DCTFLASH,WA),DCTFLASH-DCTDSECT(R1) SET FLASH ID	R4 K0400000
00100C	4120 2007		00007	13586+	LA WA,2+L'DCTFLASH+1(,WA) POINT TO NEXT MSG AREA	R4 K0400500
001010	D503 105C 8844	0005C	013A4	13588+	CLC DCTMODF-DCTDSECT(4,R1),=C'****' TEST FOR MODIFY ID	R4 K0401500
001016	4780 84CA		0102A	13589+	BE *+20 BR IF NOT SET	R4 K0402000
00101A	D201 2000 886A	00000	013CA	13590+	MVC 0(2,WA),=C'Y=' SET MODIFY PREFIX	R4 K0402500
001020	D203 2002 105C	00002	0005C	13591+	MVC 2(L'DCTMODF,WA),DCTMODF-DCTDSECT(R1) SET MODIFY ID	R4 K0403000
001026	4120 2007		00007	13592+	LA WA,2+L'DCTMODF+1(,WA) POINT TO NEXT MSG AREA	R4 K0403500
00102A	47F0 867E		011DE	13593+	B COF0222X AND EXIT DISPLAY	K0404000
00102E	D200 2002 1074	00002	00074	13594+	COF02221 MVC 2(*-,WA),DCTCLASS-DCTDSECT(R1) ** EXECUTE ONLY **	K0404500
				13596+	*****	K0405500
				13597+	DISPLAY READERS--DEFAULT JOB AND MSG CLASSES	* K0406000
				13598+	*****	K0406500
001034				13599+	COF0222I DS 0H	Z0006000
001034	D205 2000 886C	00000	013CC	13600+	MVC 0(6,WA),=C'C= Q=' SET JOB MSG PREFIXES	K0407500
00103A	D507 1018 8800	00018	01360	13601+	CLC DCTDEVN-DCTDSECT(,R1),=CL8'STCINRDR' TEST STC	@OZ25941 K0407600
001040	4780 84EE		0104E	13602+	BE COFV0222 BRANCH IF STCINRDR	@OZ25941 K0407700
001044	D507 1018 8808	00018	01368	13603+	CLC DCTDEVN-DCTDSECT(,R1),=CL8'TSOINRDR' TEST TSO	@OZ25941 K0407800
00104A	4770 84F6		01056	13604+	BNE COFW0222 BRANCH IF NOT TSOINRDR	@OZ25941 K0407900
00104E				13605+	COFV0222 DS 0H	@OZ25941 K0407910
00104E	925C 2002		00002	13606+	MVI 2(WA),C'*' SET DEFAULT JOB CLASS	@OZ25941 K0407920
001052	47F0 84FC		0105C	13607+	B COFX0222 BRANCH FOR MSG CLASS	@OZ25941 K0407930
001056				13608+	COFW0222 DS 0H	@OZ25941 K0407940
001056	D200 2002 103E	00002	0003E	13609+	MVC 2(1,WA),DCTJCLAS-DCTDSECT(R1) SET DEFAULT JOB CLASS	K0408000
00105C				13610+	COFX0222 DS 0H	@OZ25941 K0408400
00105C	D200 2006 103F	00006	0003F	13611+	MVC 6(1,WA),DCTMCLAS-DCTDSECT(R1) SET DEFAULT MSG CLASS	K0408500
001062	4120 2008		00008	13612+	LA WA,8(,WA) POINT TO NEXT MSG BYTE	K0409000
001066	9102 1011		00011	13614+	TM DCTDEVTP-DCTDSECT(R1),DCTRJE SEPERATE REMOTE READER	K0410000
00106A	4710 8540		010A0	13615+	BO COF0222N BR IF REMOTE READER	K0410500
				13616+	*****	K0411000
				13617+	DISPLAY AUTHORITY FOR LOCAL AND INTERNAL READERS	* K0411500
				13618+	*****	K0412000
00106E	D201 2000 8872	00000	013D2	13619+	MVC 0(2,WA),=C'A=' SET AUTHORITY PREFIX	K0412500
001074	1FFF			13620+	SLR R15,R15 CLEAR WORK FOR INSERT CHAR	K0413000
001076	43F0 103D		0003D	13621+	IC R15,DCTRAUTH-DCTDSECT(,R1) GET AUTHORITY	K0413500
00107A	4100 0007		00007	13622+	LA R0,DCTREJJB+DCTREJDV+DCTREJSY SET NO AUTHORITY	K0414000
00107E	14F0			13623+	NR R15,R0 TO TURN OFF MISC BITS	K0414500
				13624+	*****	K0414900
				13625+	TABLE HAS TWO BYTE ENTRIES	* K0415000
				13626+	*****	K0415100
001080	1EFF			13627+	ALR R15,R15 DOUBLE R15 VALUE	K0415500
001082	41E0 87AA		0130A	13628+	LA R14,COF0222O GET ADDRESS OF DISPLACEMENT	K0416000
				13629+	*****	K0416500
001086	1F11			13630+	SLR R1,R1 CLEAR R1	K0417000
001088	431F E000		00000	13631+	IC R1,0(R15,R14) GET DISPLACEMENT IN TBL	K0417500
00108C	4111 8794		012F4	13632+	LA R1,COF0222P(R1) POINT TO MSG	K0418000
001090	43FF E001		00001	13633+	IC R15,1(R15,R14) GET MACHINE LENGTH	K0418500
001094	44F0 87BA		0131A	13634+	EX R15,COF0222Q MOVE MSG TO AREA	K0419000
001098	412F 2004		00004	13635+	LA WA,4(R15,WA) PT TO NXT AVAILABLE MSG BYTE	K0419500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
00109C	5810 D08C	0008C		13636+	L R1,COMWORK	RESTORE R1 CONTENTS K0420000
0010A0				13637+COF0222N	DS DS 0H	R4 K0420500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13639+	*****	K0421000
				13640+	DEFAULT ROUTINGS FOR A READER	* K0421500
				13641+	*****	K0422000
0010A0	41F0 1038	00038		13642+	LA R15,DCTPRINT-DCTDSECT(,R1) POINT TO PRINTER DEFAULT	R4 K0422500
0010A4	4100 2001	00001		13643+	LA R0,1(,WA) POINT TO TEXT AREA	R4 K0423000
0010A8	45E0 C8EA	008EA		13644+	BAL R14,COFRTC CONVERT TO EBCDIC	R4 K0423500
0010AC	D201 2000 8874	00000 013D4		13645+	MVC 0(2,WA),=C'P=' SET KEYWORD	R4 K0424000
0010B2	4120 200B	0000B		13646+	LA WA,11(,WA) POINT TO NEXT SLOT	R4 K0424500
0010B6	41F0 103A	0003A		13647+	LA R15,DCTPUNCH-DCTDSECT(,R1) POINT TO PUNCH DEFAULT	R4 K0425000
0010BA	4100 2001	00001		13648+	LA R0,1(,WA) TEXT AREA	R4 K0425500
0010BE	45E0 C8EA	008EA		13649+	BAL R14,COFRTC CONVERT TO EBCDIC	R4 K0426000
0010C2	D201 2000 8876	00000 013D6		13650+	MVC 0(2,WA),=C'U=' SET KEYWORD	R4 K0426500
0010C8	4120 200B	0000B		13651+	LA WA,11(,WA) POINT TO NEXT SLOT	R4 K0427000
				13652+	*****	K0432500
				13653+	DISPLAY SYSTEM AFFINITIES OF A READER	* K0433000
				13654+	*****	K0433500
0010CC	D201 2000 8878	00000 013D8		13655+	MVC 0(2,WA),=C'S=' SET AFFINITY PREFIX	K0434000
0010D2	9180 103C	0003C		13656+	TM DCTSIAFF-DCTDSECT(R1),QUEINDAF TEST FOR 'IND' MODE	K0434500
0010D6	4780 8584	010E4		13657+	BZ *+14 NO--SKIP INSERTION IN MSG	K0435000
0010DA	D203 2002 8848	00002 013A8		13658+	MVC 2(4,WA),=C'IND,' SET 'IND' MODE IN MSG	K0435500
0010E0	4120 2004	00004		13659+	LA WA,4(,WA) PT TO NEXT MSG BYTE	K0436000
0010E4	917F 103C	0003C		13660+	TM DCTSIAFF-DCTDSECT(R1),QUESYSAF TEST FOR AFF OF 'ANY'	K0436500
0010E8	47E0 859A	010FA		13661+	BNO COF02228 NO--SEARCH QSE TABLE	K0437000
0010EC	D202 2002 88A4	00002 01404		13662+	MVC 2(3,WA),=C'ANY' YES--SET 'ANY' IN MESSAGE	K0437500
0010F2	4120 2006	00006		13663+	LA WA,6(,WA) POINT TO NEXT AVAILABLE BYTE	K0438000
0010F6	47F0 85D8	01138		13664+	B COF02229 AND EXIT TO NEXT PORTION	K0438500
0010FA				13665+	COF02228 DS 0H SEARCH QSE TABLE FOR AFFINITIES	K0439000
0010FA	58F0 B1DC	001DC		13666+	L R15,\$QSE1 POINT TO 1ST QSE	R4 K0439500
				13667+	***** THIS CARD DELETED BY APAR @OZ27300	K0440000
		00000		13668+	USING QSESECT,R15 QSE ADDRESSABILITY	K0440500
				13669+	***** THIS CARD DELETED BY APAR @OZ27300	K0441000
0010FE	43E0 F00D	0000D		13670+	COFB0222 IC R14,QSESIAFF PICK UP AFFINITY BITS @OZ27300	K0441500
001102	44E0 85D4	01134		13671+	EX R14,COFA0222 TEST FOR AFFINITY TO THIS SYSTEM	K0442000
001106	4710 85C2	01122		13672+	BO COFC0222 YES--FILL-IN MESSAGE	K0442500
00110A	9101 F012	00012		13673+	COFD0222 TM QSEFLAGS,QSELAST NO--TEST FOR LAST ELEMENT	K0443000
00110E	41F0 F014	00014		13674+	LA R15,QSELEN(,R15) BUMP TO NEXT QSE @OZ27300	K0443300
001112	4780 859E	010FE		13675+	BZ COFB0222 IF NOT LAST LOOP THRU QSE TABLES	K0443500
001116	9240 2001	00001		13676+	MVI 1(WA),C' ' SET BLANK WHERE ', ' WAS	K0444000
00111A	4120 2002	00002		13677+	LA WA,2(,WA) POINT TO NEXT AVAILABLE MSG BYTE	K0444500
00111E	47F0 85D8	01138		13678+	B COF02229 AND EXIT TO NEXT PORTION	K0445000
001122				13679+	COFC0222 DS 0H AFFINITY MATCH-MOVE IN SID NAME	K0445500
001122	D203 2002 F008	00002 00008		13680+	MVC 2(L'QSESID,WA),QSESID SET SID NAME IN MESSAGE	K0446000
001128	926B 2006	00006		13681+	MVI L'QSESID+2(WA),C',' SET SEPERATING COMMA	K0446500
00112C	4120 2005	00005		13682+	LA WA,L'QSESID+1(,WA) POINT TO NEXT AVAILABLE BYTE	K0447000
001130	47F0 85AA	0110A		13683+	B COFD0222 AND SCAN NEXT TABLE ELEMENT	K0447500
				13684+	DROP R15 DROP QSE ADDRESSABILITY	K0448000
001134	9100 103C	0003C		13685+	COFA0222 TM DCTSIAFF-DCTDSECT(R1),*- * EXECUTE ONLY ****	K0448500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13687+	*****	K0449500
				13688+	DISPLAY A READER HOLDING INCOMING JOBS	* K0450000
				13689+	*****	K0450500
001138				13690+	COF02229 DS 0H DISPLAY READER'S HOLDING STATUS	K0451000
001138	D202 2000 88A7	00000	01407	13691+	MVC 0(3,WA),=C'H=N' SET DEFAULT STATUS	K0451500
00113E	9104 1014	00014		13692+	TM DCTFLAGS-DCTDSECT(R1),DCTHOLDJ TEST FOR SAME	K0452000
001142	4780 85EA	0114A		13693+	BZ *+8 EXIT IF NOT 'HOLDING'	K0452500
001146	92E8 2002	00002		13694+	MVI 2(WA),C'Y' SET STATUS TO 'HOLDING'	K0453000
00114A	4120 2004	00004		13695+	LA WA,4(,WA) POINT TO NEXT BYTE @OZ68422	K0453500
				13697+	*****	@OZ68422 K0453600
				13698+	DISPLAY AN INTERNAL READER THAT IS ALLOCATED	@OZ68422 K0453650
				13699+	*****	@OZ68422 K0453700
00114E	9514 1011	00011		13701+	CLI DCTDEVTP-DCTDSECT(R1),DCTINR TEST FOR INTRDR	@OZ68422 K0453800
001152	4770 867E	011DE		13702+	BNE COF0222X NO, EXIT DISPLAY	@OZ68422 K0453850
001156	D503 1068 8828	00068	01388	13703+	CLC RIDJBID-DCTDSECT(4,R1),=F'0' TEST FOR JOB	@OZ68422 K0453900
00115C	4780 867E	011DE		13704+	BE COF0222X NO JOB, EXIT DISPLAY	@OZ68422 K0453950
001160	D206 2000 88AA	00000	0140A	13705+	MVC 0(7,WA),=C'OWNER= ' YES, MOVE HEADER	@OZ68422 K0454000
001166	4120 2008	00008		13706+	LA WA,8(,WA) POINT TO NEXT MSG BYTE	@OZ68422 K0454050
00116A	D207 2000 1068	00000	00068	13707+	MVC 0(8,WA),RIDJBID-DCTDSECT(R1) MOVE JOB ID	@OZ68422 K0454100
001170	4120 2009	00009		13708+	LA WA,9(,WA) POINT TO NEXT MSG BYTE	@OZ68422 K0454150
001174	D207 2000 1070	00000	00070	13709+	MVC 0(8,WA),RIDJNAM-DCTDSECT(R1) MOVE JOB NAME	@OZ68422 K0454200
00117A	4120 2009	00009		13710+	LA WA,9(,WA) POINT TO END OF MSG	@OZ68422 K0454250
00117E	47F0 867E	011DE		13711+	B COF0222X EXIT DISPLAY	@OZ68422 K0454300
				13713+	*****	K0455000
				13714+	DISPLAY RJE LINE DISCONNECTION STATE	* K0455500
				13715+	*****	K0456000
001182				13716+	COF0222F DS 0H	R4 K0456500
001182	9110 102F	0002F		13717+	TM MDCTSTAT-DCTDSECT(R1),DCTSOFF TEST SIGNOFF PENDING	R4 K0457000
001186	47E0 8656	011B6		13718+	BNO COF0222R NO, BR--GO FORMAT PASSWORD	R4 K0457500
00118A	D203 2000 884C	00000	013AC	13719+	MVC 0(4,WA),=C'D=Q ' SHOW SIGNOFF PENDING @OZ36938	K0458000
001190	9120 1014	00014		13720+	COFF0222 TM DCTFLAGS-DCTDSECT(R1),DCTRSTRT TEST FOR DCT RESTARTED	R4 K0458500
001194	47E0 863E	0119E		13721+	BNO COFG0222 NO, BR--GO SHOW DISCONNECT STATUS	R4 K0459000
001198	D202 2000 88B1	00000	01411	13722+	MVC 0(3,WA),=C'D=I ' INDICATE RESTART ACCEPTED	R4 K0459500
00119E				13723+	COFG0222 DS 0H	R4 K0460000
00119E	4120 2004	00004		13724+	LA WA,4(,WA) MOVE PAST DISCONNECT INDICATOR	R4 K0460500
0011A2	47F0 8656	011B6		13725+	B COF0222R GO FORMAT PASSWORD	R4 K0461000
				13727+	*****	K0462500
				13728+	DISPLAY LOGON DCT APPLICATION ID	* K0463000
				13729+	*****	K0463500
0011A6				13730+	COF0222Z DS 0H	R4 K0464000
0011A6	D201 2000 8872	00000	013D2	13731+	MVC 0(2,WA),=C'A=' MOVE IN APPLICATION ID PREFIX	R4 K0464500
0011AC	D207 2002 1040	00002	00040	13732+	MVC 2(8,WA),MDCTAPPL-DCTDSECT(R1) AND APPLICATION ID	R4 K0465000
0011B2	4120 200B	0000B		13733+	LA WA,11(,WA) MOVE PAST APPLICATION ID FIELD	R4 K0465500
				13735+	*****	K0467000
				13736+	DISPLAY DCT LOGGING AND PASSWORD STATUS	* K0467500
				13737+	*****	K0468000
0011B6				13738+	COF0222R DS 0H	R4 K0468500
0011B6	D202 2000 88B4	00000	01414	13739+	MVC 0(3,WA),=C'E=N' ASSUME NO LOGGING	R4 K0469000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0011BC	9101	1014	00014		13740+	TM	DCTFLAGS-DCTDSECT(R1),DCTLOGAL TEST ASSUMPTION	R4 K0469500
0011C0	4780	8668	011C8		13741+	BZ	COFE0222 CORRECT, BR - SKIP RESET	R4 K0470000
0011C4	92E8	2002	00002		13742+	MVI	2(WA),C'Y' MAKE MESSAGE SHOW LOGGING	R4 K0470500
0011C8					13743+	DS	COFE0222 0H	R4 K0471000
0011C8	4120	2004	00004		13744+	LA	WA,4(,WA) MOVE PAST LOGGING INDICATOR	R4 K0471500
0011CC	9540	1034	00034		13745+	CLI	MDCTPSWD-DCTDSECT(R1),C' ' TEST FOR PASSWORD SET	R4 K0472000
0011D0	4780	867E	011DE		13746+	BE	COF0222X NO, BR - MESSAGE IS COMPLETE	R4 K0472500
0011D4	D204	2000 88B7	00000	01417	13747+	MVC	0(5,WA),=C'P=SET' INDICATE PASSWORD PRESENT	R4 K0473000
0011DA	4120	2006	00006		13748+	LA	WA,6(,WA) LOCATE END OF MESSAGE	R4 K0473500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13750+	*****	K0474500
				13751+	EXIT EXTENDED DISPLAY ROUTINE	* K0475000
				13752+	*****	K0475500
0011DE				13753+	COF0222X DS 0H COMPUTE RESPONSE SIZE	K0476000
0011DE	1812			13754+	LR R1,WA COPY END OF RESPONSE ADDRESS	K0476500
0011E0	41F0	D0FB	000FB	13755+	LA R15,COMMAND+69 SET MAX RESPONSE SIZE	K0477000
0011E4	151F			13756+	COF02224 CLR R1,R15 CHECK SIZE OF THIS RESPONSE	K0477500
0011E6	47D0	86A4	01204	13757+	BNH COF0222U IF NOT TOO LARGE - SEND IT	K0478000
0011EA	0610			13758+	COF0222T BCTR R1,0 TOO LARGE-SCAN TO BREAK-UP	K0478500
0011EC	957E	1000	00000	13759+	CLI 0(R1),C'=' LOOK FOR AN OPERAND	K0479000
0011F0	4770	868A	011EA	13760+	BNE COF0222T NOT FOUND, BR - KEEP LOOKING R4	K0479500
0011F4	0610			13761+	BCTR R1,0 LOOK AT CHARACTER BEFORE = SIGN R4	K0480000
0011F6	0610			13762+	COFL0222 BCTR R1,0 BACK UP ONE MORE @OZ40627	K0480500
0011F8	9540	1000	00000	13763+	CLI 0(R1),C' ' IS IT A BLANK ... @OZ40627	K0481000
0011FC	4770	8696	011F6	13764+	BNE COFL0222 BRANCH IF NO @OZ40627	K0481500
				13765+	* THIS CARD DELETED BY XXX @OZ40627	K0482000
001200	47F0	8684	011E4	13766+	B COF02224 AND CHECK RESULTANT SIZE	K0482500
001204				13767+	COF0222U DS 0H RESPONSE OF PROPER SIZE - SEND	K0483000
001204	4100	1001	00001	13768+	LA R0,1(,R1) TRUE END OF RESPONSE	K0483500
001208	41E0	D0B6	000B6	13769+	LA R14,COMMAND BEGINNING OF RESPONSE	K0484000
00120C	1F0E			13770+	SLR R0,R14 LENGTH OF RESPONSE	K0484500
00120E	1512			13771+	CLR R1,WA IS THIS A ONE-LINE RESPONSE	K0485000
001210	4780	86E8	01248	13772+	BE COF0222V YES--SKIP MULTIPLE LINES	K0485500
001214	9012	D090	00090	13773+	STM R1,WA,COMDWORK SAVE REGS OVER \$WTO	K0486000
001218				13774+	DS 0H Z0006000	
001218	4520	C07A	0007A	13775+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
00121C	9812	D090	00090	13776+	LM R1,WA,COMDWORK RELOAD REGS	K0487000
001220	1F21			13777+	SLR WA,R1 COMPUTE SIZE OF RESPONSE LEFT	K0487500
001222	0620			13778+	BCTR WA,0 LESS ONE FOR TRUE SIZE	K0488000
001224	4100	2017	00017	13779+	LA R0,COMMAND+23-COMMAND(,WA) SAVE TOTAL SIZE	K0488500
001228	0620			13780+	BCTR WA,0 MACHINE SIZE	K0489000
00122A	4420	86FE	0125E	13781+	EX WA,COF0222Y MOVE NEW RESPONSE DOWN	K0489500
00122E	9240	D0B6	000B6	13782+	MVI COMMAND,C' ' BLANK AREA BEFORE SECOND LINE	K0490000
001232	D215	D0B7	D0B6	000B7	000B6 13783+ MVC COMMAND+1(22),COMMAND DITTO	K0490500
001238	4122	D0CE	000CE	13784+	LA WA,COMMAND+23+1(WA) POINT TO END OF NEW RESPONSE	K0491000
00123C	1812			13785+	LR R1,WA COPY TO R1 FOR LOOP	K0491500
00123E	41F0	D0FB	000FB	13786+	LA R15,COMMAND+69 SET MAX RESPONSE SIZE	K0492000
001242	151F			13787+	CLR R1,R15 CHECK REMAINING RESPONSE	K0492500
001244	4720	868A	011EA	13788+	BH COF0222T IF GREATER LOOP	K0493000
001248				13789+	COF0222V DS 0H R4	K0493500
001248				13790+	COF02222 DS 0H Z0006000	
001248	4520	C07A	0007A	13791+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
00124C	5810	D08C	0008C	13792+	L R1,COMWORK RELOAD DCT R4	K0494500
001250	5820	D0A8	000A8	13793+	L WA,COMFWORK RETURN REGISTER R4	K0495000
001254	1882			13794+	LR BASE3,WA RELOAD CALLERS BASE R4	K0495500
001256	4B80	2000	00000	13795+	SH BASE3,0(,WA) ADJUST CALLERS ADDRESSABILITY R4	K0496000
00125A	47F0	2002	00002	13796+	B 2(,WA) RETURN TO CALLER R4	K0496500
00125E	D200	D0CD	1001	000CD	00001 13797+ COF0222Y MVC COMMAND+23(*-*),1(R1) **** EXECUTE ONLY ****	K0497500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13799+	*****	K0498100
				13800+	DISPLAY RAT DATA	* K0498200
				13801+	*****	K0498300
001264				13802+	COFT0222 DS 0H	R41 K0498400
001264	5810 D08C		0008C	13803+	L R1, COMEWORK PICK UP PASSED RAT ADDRESS	R41 K0498500
001268	1011			13804+	LPR R1, R1 MAKE POSITIVE	R41 K0498600
00126A	D207 D0B6	1000	000B6	00000	13805+ MVC COMMAND(8), RATNAME-RATDSECT(R1) PUT IN PROPER NAME	R41 K0498700
001270	D202 2000	88BC	00000	0141C	13806+ MVC 0(3, WA), =C'D=0' SET UP FOR D=0	R41 K0498800
001276	1F00			13807+	SLR R0, R0 CLEAR REG	R41 K0498900
001278	4301 0019		00019	13808+	IC R0, RATDINTV-RATDSECT(R1) GET RAT INTERVAL	R41 K0499000
00127C	8B00 0005		00005	13809+	SLA R0, 5 EXPAND IT	R41 K0499100
001280	1200			13810+	LTR R0, R0 IS IT ZERO	R41 K0499200
001282	4780 8762		012C2	13811+	BZ COFM0222 YES, LEAVE IT AS IS	R41 K0499300
001286	4E00 D090		00090	13812+	CVD R0, COMDWORK NO, CONVERT TO DISPLAY	R41 K0499400
00128A	F342 2002	D095	00002	00095	13813+ UNPK 2(5, WA), COMDWORK+5(3) PUT INTERVAL IN DISPLAY	R41 K0499500
001290	96F0 2006		00006		13814+ OI 6(WA), X'F0' MAKE UNITS DIGIT READABLE	R41 K0499600
001294	D203 2002	2003	00002	00003	13815+ MVC 2(4, WA), 3(WA) LEFT JUSTIFY D=NNNN	R41 K0499700
00129A	9240 2006		00006		13816+ MVI 6(WA), X'40' CLEAR RIGHT MOST POSITION	R41 K0499800
00129E	95F0 2002		00002		13817+ CLI 2(WA), X'F0' IS LEFTMOST SIGNIFICANT	R41 K0499900
0012A2	4720 8762		012C2		13818+ BH COFM0222 YES, LEAVE AS IS	R41 K0500000
0012A6	D202 2002	2003	00002	00003	13819+ MVC 2(3, WA), 3(WA) LEFT JUSTIFY TO D=NNN	R41 K0500100
0012AC	9240 2005		00005		13820+ MVI 5(WA), X'40' CLEAR RIGHT MOST POSITION	R41 K0500200
0012B0	95F0 2002		00002		13821+ CLI 2(WA), X'F0' IS LEFTMOST SIGNIFICANT	R41 K0500300
0012B4	4720 8762		012C2		13822+ BH COFM0222 YES, LEAVE AS IS	R41 K0500400
0012B8	D201 2002	2003	00002	00003	13823+ MVC 2(2, WA), 3(WA) LEFT JUSTIFY TO D=NN	R41 K0500500
0012BE	9240 2004		00004		13824+ MVI 4(WA), X'40' CLEAR RIGHT MOST POSITION	R41 K0500600
0012C2	4120 2007		00007		13825+ COFM0222 LA WA, 7(WA) ADJUST POSITION COUNT	R41 K0500700
0012C6	9181 1012		00012		13826+ TM RATTYPE-RATDSECT(R1), DCTPLU1 IS THIS SNA	R41 K0500800
0012CA	47E0 867E		011DE		13827+ BNO COF0222X NO, SKIP A=	R41 K0500900
0012CE	D206 2000	88BF	00000	0141F	13828+ MVC 0(7, WA), =C'A=N S=N' ASSUME A=N AND S=N	R41 K0501000
0012D4	9180 1020		00020		13829+ TM RATFLAGS-RATDSECT(R1), RATALM IS IT A=N	R41 K0501100
0012D8	4780 8780		012E0		13830+ BZ *+8 YES, LEAVE IT AS IS	R41 K0501200
0012DC	92E8 2002		00002		13831+ MVI 2(WA), C'Y' NO, MAKE IT A=Y	R41 K0501300
0012E0	9140 1020		00020		13832+ TM RATFLAGS-RATDSECT(R1), RATSMT IS IT S=N	R41 K0501400
0012E4	4780 878C		012EC		13833+ BZ *+8 YES, LEAVE AS IS	R41 K0501500
0012E8	92E8 2006		00006		13834+ MVI 6(WA), C'Y' MAKE IT S=Y	R41 K0501600
0012EC	4122 0007		00007		13835+ LA WA, 7(WA) ADJUST POSITION COUNTER	R41 K0501700
0012F0	47F0 867E		011DE		13836+ B COF0222X WRITE MESSAGE & EXIT	R41 K0501800
				13838+	DROP BASE3 RELEASE ROUTINE ADDRESSABILITY	R41 K0502000

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	
				13840+	*****	K0502200
				13841+	AUTHORITY MSG TABLE	* K0502300
				13842+	*****	K0502400
0012F4	E2E8E24EC4C5E54E			13843+	COF0222P DC C'SYS+DEV+JOB+SYSDISPLAY' ALL POSSIBLE MSGS	K0502500
				13845+	*****	K0502700
				13846+	DISPLACEMENT AND LENGTH TABLE	* K0502800
				13847+	EACH ENTRY HAS DISPLACEMENT INTO ABOVE TABLE AND LENGTH	* K0502900
				13848+	FOR EACH AUTHORITY LEVEL	* K0503000
				13849+	*****	K0503100
00130A	000A			13850+	COF0222O DC AL1(00,10) AUTH=SYS+JOB+DEV LENGTH=11	K0503200
00130C	0406			13851+	DC AL1(04,06) AUTH=DEV+JOB LENGTH=7	K0503300
00130E	0806			13852+	DC AL1(08,06) AUTH=JOB+SYS LENGTH=7	K0503400
001310	0802			13853+	DC AL1(08,02) AUTH=JOB LENGTH=3	K0503500
001312	0006			13854+	DC AL1(00,06) AUTH=SYS+DEV LENGTH=7	K0503600
001314	0402			13855+	DC AL1(04,02) AUTH=DEV LENGTH=3	K0504000
001316	0002			13856+	DC AL1(00,02) AUTH=SYS LENGTH=3	K0504500
001318	0F06			13857+	DC AL1(15,06) AUTH=DISPLAY LENGTH=7	K0505000
				13859+	DS 0H ASSURE HALFWORD ALIGNMENT	K0506000
00131A	D200 2002 1000 00002 00000			13860+	COF0222Q MVC 2(*-* ,WA),0(R1) **** EXECUTE ONLY ****	K0506500
				13861+	***** INSTRUCTION IS USED TO MOVE AUTHORITY MSGS TO MSG AREA	K0507000
001320	4020202020202020			13862+	COF0222E DC XL12'40202020202020202020202120' EDIT PATTERN @OZ40627	K0507200

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
001330				13864	LTORG	R4 K1428500
001330	C1C3E3C9E5C54040			13865	=C'ACTIVE '	
001338	C1C3E3C9E5C54040			13866	=CL8'ACTIVE'	
001340	C8C1D3E3C5C44040			13867	=CL8'HALTED'	
001348	D7C1E4E2C5C44040			13868	=CL8'PAUSED'	
001350	C9D5C1C3E3C9E5C5			13869	=CL8'INACTIVE'	
001358	C1C3E3C9E5C54040			13870	=CL8'ACTIVE '	
001360	E2E3C3C9D5D9C4D9			13871	=CL8'STCINRDR'	
001368	E3E2D6C9D5D9C4D9			13872	=CL8'TSOINRDR'	
001370	5C5C5C40C9D5C1C3			13873	=C'*** INACTIVE'	
00137C	5C5C5C40C4D9C1C9			13874	=C'*** DRAINING'	
001388	00000000			13875	=F'0'	
00138C	4DD1D6C2			13876	=C'(JOB'	
001390	D6D7C5D9			13877	=C'OPER'	
001394	6BE2E3C4			13878	=C',STD'	
001398	D3C9D47E			13879	=C'LIM='	
00139C	FFFFFFFF			13880	=F'-1'	
0013A0	40202120			13881	=X'40202120'	
0013A4	5C5C5C5C			13882	=C'****'	
0013A8	C9D5C46B			13883	=C'IND, '	
0013AC	C47ED840			13884	=C'D=Q '	
0013B0	2710			13885	=H'10000'	
0013B2	4E20			13886	=H'20000'	
0013B4	402020202120			13887	=X'402020202120'	
0013BA	C67E			13888	=C'F='	
0013BC	D97E			13889	=C'R='	
0013BE	C37E			13890	=C'C='	
0013C0	E37E			13891	=C'T='	
0013C2	D27E			13892	=C'K='	
0013C4	D87E			13893	=C'Q='	
0013C6	E97E			13894	=C'Z='	
0013C8	D67E			13895	=C'O='	
0013CA	E87E			13896	=C'Y='	
0013CC	C37E4040D87E			13897	=C'C= Q='	
0013D2	C17E			13898	=C'A='	
0013D4	D77E			13899	=C'P='	
0013D6	E47E			13900	=C'U='	
0013D8	E27E			13901	=C'S='	
0013DA	C5C440			13902	=CL3'ED'	
0013DD	E2D5C1			13903	=CL3'SNA'	
0013E0	E3E2E4			13904	=C'TSU'	
0013E3	E2E3C3			13905	=C'STC'	
0013E6	C1E4E3D6D4			13906	=C'AUTOM'	
0013EB	D77ED5			13907	=C'P=N'	
0013EE	E27EE8			13908	=C'S=Y'	
0013F1	C27ED540D47ED5			13909	=C'B=N M=N'	
0013F8	E7F17E			13910	=C'X1='	
0013FB	E7F27E			13911	=C'X2='	
0013FE	E7F37E			13912	=C'X3='	
001401	E7F47E			13913	=C'X4='	
001404	C1D5E8			13914	=C'ANY'	
001407	C87ED5			13915	=C'H=N'	
00140A	D6E6D5C5D97E40			13916	=C'OWNER= '	
001411	C47EC9			13917	=C'D=I'	
001414	C57ED5			13918	=C'E=N'	
001417	D77EE2C5E3			13919	=C'P=SET'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
00141C	C47EF0			13920	=C'D=0'	
00141F	C17ED540E27ED5			13921	=C'A=N S=N'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				13923	COFJMSG \$CFJMSG TYPE=RES,INFO=YES	R4 K1430000
				13925+	*****	K0732500
				13926+		* K0733000
				13927+	COFJMSG -- JOB INFORMATION MESSAGE OUTPUT	* K0733500
				13928+		* K0734000
				13929+	ROUTINE COLLECTS JOB INFORMATION INTO AREA 'COMMAND' AND	* K0734500
				13930+	INITIATES OUTPUT RESPONSE.	* K0735000
				13931+	\$WAIT MAY BE ISSUED.	* K0735500
				13932+		* K0736000
				13933+	REGISTERS USED	* K0736500
				13934+	R0 = WORK - MESSAGE LENGTH	* K0737000
				13935+	R1 = JOB QUEUE ELEMENT ADDRESS - WORK - AREA 'COMMAND'	* K0737500
				13936+	WA = LINKAGE	* K0738000
				13937+	R10 = ENTRY BASE	* K0738500
				13938+	LINK = LINKAGE	* K0739000
				13939+	R15 = WORK	* K0739500
				13940+		* K0740000
				13941+	EXITS	* K0740500
				13942+	WA+0 JOB DISPLAYED	* K0741000
				13943+	WA+4 JOB NOT DISPLAYED (CONDITIONAL REQUEST ONLY)	* K0741500
				13944+		* K0742000
				13945+	NOTES	* K0742500
				13946+	COMDWORK USED FOR SCRATCH	* K0743000
				13947+	COMWORK USED BY COFJDCT TO HOLD JOE POINTER	* K0743500
				13948+	COMFWORK USED FOR SCRATCH	* K0744000
				13949+	COMWREGS IS USED TO SAVE WORK REGISTERS	* K0744500
				13950+	OPT = COFU - DISPLAY UNCONDITIONAL	* K0745000
				13951+	= COFQ - DISPLAY QUEUED JOBS	* K0745500
				13952+	= COFA - DISPLAY ACTIVE JOBS	* K0746000
				13953+	= (OTHER MEANINGFUL CONSISTANT COMBINATIONS)	* K0746500
				13954+		* K0747000
				13955+	*****	K0747500
001426				13956+	COFJMSG DS 0H	Z0006000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
13958	*****					K0754900
13959	*				DEFINITIONS FOR JOB INFORMATION MESSAGE	* K0755000
13960	*****					K0755100
00001		13962	COFN	EQU	X'01'	DISPLAY NORMAL JOBS K0756000
00002		13963	COFS	EQU	X'02'	DISPLAY SYSTEM JOBS K0756500
00004		13964	COFT	EQU	X'04'	DISPLAY LOGON JOBS K0757000
00007		13965	COFJ	EQU	COFN+COFS+COFT	DISPLAY ALL JOBS K0757500
00008		13966	COFX	EQU	X'08'	DISPLAY JOBS IN EXECUTION K0758000
00010		13967	COFD	EQU	X'10'	DISPLAY JOBS ON DEVICES K0758500
0001F		13968	COFA	EQU	COFJ+COFX+COFD	DISPLAY ACTIVE JOBS K0759000
00020		13969	COFI	EQU	X'20'	DISPLAY PRE-XEQ QUEUED JOBS K0759500
00040		13970	COFO	EQU	X'40'	DISPLAY POST-XEQ QUEUED JOBS K0760000
00080		13971	COFP	EQU	X'80'	DISPLAY QUEUED FOR PRT/PUN K0760500
000E7		13972	COFQ	EQU	COFJ+COFI+COFO+COFP	DISPLAY QUEUED JOBS K0761000
000FF		13973	COFU	EQU	COFJ+COFI+COFO+COFX+COFP+COFD	DISPLAY UNCONDITIONAL K0761500
000B6		13975	COFJOB	EQU	COMMAND,3	TEXT 'JOB', 'STC', OR 'TSU' K0762500
000B9		13976	COFJNO	EQU	COFJOB+3,5	JOB NUMBER WITH LEADING BLANK K0763000
000BF		13977	COFJNAME	EQU	COFJNO+6,8	JOB NAME K0763500
000C8		13978	COFQUE	EQU	COFJNAME+9,8	TEXT 'AWAITING' K0764000
000D1		13979	COFQX	EQU	COFQUE+9,9	TEXT 'EXECUTION' K0764500
000DB		13980	COFQXC	EQU	COFQX+10,1	CLASS K0765000
000D1		13981	COFQXU	EQU	COFQX,11	TEXT 'EXECUTION *' K0765500
000C8		13982	COFPRT	EQU	COFQUE,3	TEST 'PRT' R4 K0768000
000CB		13983	COFPRTR	EQU	COFPRT+3,10	PRINT ROUTING R4 K0769000
000D5		13984	COFPUN	EQU	COFPRT+13,3	TEXT 'PUN' R4 K0769500
000D8		13985	COFPUNR	EQU	COFPUN+3,10	PUNCH ROUTING R4 K0770000
000D1		13986	COFQOUT	EQU	COFQX,6	TEST 'OUTPUT' K0773000
000D1		13987	COFPURGE	EQU	COFQX,5	TEXT 'PURGE' K0773500
000E2		13988	COFPRIO	EQU	COFPUNR+10,4	TEXT 'PRIO' R4 K0774000
000E7		13989	COFPRI	EQU	COFPRI+5,2	PRIORITY K0774500
000EA		13990	COFFLAGS	EQU	COFPRI+3,9	'HOLD', 'PURGE', 'DUPLICATE' K0775000
000F4		13991	COFSID	EQU	COFFLAGS+10,4	FIRST SID NAME R4 K0775500
000F9		13992	COFSIDX	EQU	COFSID+5,24	REST OF SID'S K0776000
00112		13993	COFINDP	EQU	COFSIDX+25,3	DESIGNATOR FOR INDEPENDENT MODE K0776500
00115		13994	COFSEC	EQU	COFINDP+3,2	SECURITY FIELD FOR \$WTO'S K0777000
00117		13995	COFOPT	EQU	COFSEC+2,1	OPTIOM SPECIFIED K0777500
00118		13996	COFAFF	EQU	COFOPT+1,1	ACTIVE SID WHEN SPECIFIED K0778000
00119		13997	COFLNGTH	EQU	COFAFF+1,1	LENGTH OF MESSAGES K0779000
000C8		13998	COFAX	EQU	COFQUE,9	TEXT 'EXECUTING' K0781000
000D2		13999	COFAXC	EQU	COFAX+10,1	CLASS WHEN EXECUTING K0781500
000C8		14000	COFON	EQU	COFAX,2	TEXT 'ON' K0782000
000CB		14001	COFDEV	EQU	COFAX+3,8	TEXT DEVICE NAME K0782500
000D4		14002	COFAXT	EQU	COFDEV+9,COFSEC-COFPRIO	ACTIVE JOB MSG TRAILER K0783000
000D8		14003	COFQOT	EQU	COFQOUT+7,COFSEC-COFPRIO	QUEUED FOR OUTPUT TRAILER K0783500
000D7		14004	COFQPT	EQU	COFPURGE+6,COFSEC-COFPRIO	QUEUED FOR PURGE TRAILER K0784000
0000E		14005	COFAXL	EQU	COFPRI-(COFDEV+9)	LENGTH TO SUBTRACT FOR ACTIVE MSG K0784500
0000A		14006	COFQOL	EQU	COFPRI-(COFQOUT+7)	LNG TO SUBTRACT FOR Q'S FOR OUT K0785000
0000B		14007	COFQPL	EQU	COFPRI-(COFPURGE+6)	LNG TO SUBTRACT FOR Q'S FOR PG K0785500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				01426	14009+	USING *,R10 ESTABLISH ROUTINE ADDRESSABILITY R4 K0786500
001426	4800 1002	00002		14010+	LH R0,JQEJOBNO GET JOB NUMBER @OZ29819 K0786510	
00142A	41F0 0004	00004		14011+	LA R15,COFT ASSUME TSU @OZ29819 K0786550	
00142E	4900 A5CE	019F4		14012+	CH R0,=H'20000' TSU JOB... @OZ29819 K0786560	
001432	4720 A014	0143A		14013+	BH *+8 BR IF YES @OZ29819 K0786570	
001436	41F0 0002	00002		14014+	LA R15,COFS ASSUME STC @OZ29819 K0786580	
00143A	4900 A5D0	019F6		14015+	CH R0,=H'10000' STC JOB... @OZ29819 K0786590	
00143E	4720 A020	01446		14016+	BH *+8 BR IF YES OR TSU JOB @OZ29819 K0786600	
001442	41F0 0001	00001		14017+	LA R15,COFN MUST BE BATCH JOB @OZ29819 K0786610	
001446	44F0 A058	0147E		14018+	EX R15,COFJBTST DO WE WANT THIS JOB... @OZ29819 K0786620	
00144A	4780 2004	00004		14019+	BZ 4(,WA) EXIT NO DISPLAY IF NO @OZ29819 K0786630	
				14020+	***** K0786900	
				14021+	* DETERMINE STATUS OF JOB * K0787000	
				14022+	***** K0787100	
00144E	9140 1001	00001		14023+	TM JQETYPE,\$XEQ EXECUTION OR CONVERT QUEUE K0787500	
001452	4780 A14E	01574		14024+	BZ COFJMT BRANCH IF NOT R4 K0788000	
001456	9540 1001	00001		14025+	CLI JQETYPE,\$XEQ TEST FOR CONVERTER K0788500	
00145A	4770 A05C	01482		14026+	BNE COFJMX NO--TRY FOR EXECUTION K0789000	
				14027+	***** K0789400	
				14028+	* JOB IN CONVERSION QUEUE * K0789500	
				14029+	***** K0789600	
00145E	9120 D117	00117		14030+	TM COFOPT,COFI CALLER WANT PRE-EXECUTION K0790000	
001462	4780 2004	00004		14031+	BZ 4(0,WA) EXIT NO DISPLAY K0790500	
001466	45F0 A38A	017B0		14032+	BAL R15,COFJMB CREATE BASIC MESSAGE K0791000	
00146A	4500 A47C	018A2		14033+	BAL R0,COFJMAFQ ADD SYS NAMES--RETURN ON R15 K0791500	
00146E	D207 D0C8 A5AA	000C8	019D0	14034+	MVC COFQUE,=C'AWAITING' SET K0792000	
001474	D20A D0D1 A5E6	000D1	01A0C	14035+	MVC COFQXU,=C'EXECUTION *' TEXT K0792500	
00147A	47F0 A384	017AA		14036+	B COFQMADS DISPLAY AND EXIT K0793000	
00147E	9100 D117	00117		14037+	COFJBTST TM COFOPT,*-* *** EXECUTE ONLY *** @OZ29819 K0793100	
				14038+	***** K0793400	
				14039+	* JOB IN EXECUTION QUEUE - COULD HAVE SOME SPINS IN OUTPUT * K0793500	
				14040+	***** K0793600	
001482	9107 1004	00004		14041+	COFJMX TM JQEFLAGS,QUEBUSY TEST FOR ACTIVE K0794000	
001486	4780 A102	01528		14042+	BZ COFJMQRX BR IF NOT K0794500	
00148A	9108 D117	00117		14043+	TM COFOPT,COFX CALLER WANT EXECUTION K0795000	
00148E	4780 A14E	01574		14044+	BZ COFJMD TRY DEVICE K0795500	
001492	4300 1004	00004		14045+	IC R0,JQEFLAGS PICK-UP BUSY FLAG K0796000	
001496	5400 A5BA	019E0		14046+	N R0,=A(QUEBUSY) TURN 'OFF' ALL BUT BUSY FLGS K0796500	
00149A	41F0 0001	00001		14047+	LA R15,1 ASSUME 1ST SYSTEM DESIRED K0797000	
00149E	47F0 A080	014A6		14048+	B *+8 ENTER BUSY FLAG CONVERT LOOP K0797500	
0014A2	89F0 0001	00001		14049+	SLL R15,1 ASSUME NXT SYS IF ONE DESIRD K0798000	
0014A6	4600 A07C	014A2		14050+	BCT R0,*-4 LOOP TILL SYSTEM FOUND K0798500	
0014AA	44F0 A2A8	016CE		14051+	EX R15,COFAFFTS TEST JOB BUSY ON DESIRED SYS K0799000	
0014AE	4780 A14E	01574		14052+	BZ COFJMD NO--TRY BUSY ON A DEVICE K0799500	
0014B2	45F0 A38A	017B0		14053+	BAL R15,COFJMB CREATE BASIC MESSAGE K0800000	
0014B6	43F0 1004	00004		14054+	IC R15,JQEFLAGS PICK-UP ACTIVE BIT K0800500	
0014BA	4500 A44C	01872		14055+	BAL R0,COFJMAFA GET SYS NAME-RETURN ON R15 K0801000	
0014BE	D232 D0D4 D0E2	000D4	000E2	14056+	MVC COFAXT,COFPRIO MOVE MSG FOR ACTIVE IN XEQ K0801500	
0014C4	D208 D0C8 A5F1	000C8	01A17	14057+	MVC COFAX,=C'EXECUTING' SET K0802000	
0014CA	D200 D0D2 1001	000D2	00001	14058+	MVC COFAXC,JQETYPE NORMAL TEXT K0802500	
0014D0	9680 D0D2	000D2		14059+	OI COFAXC,X'80' MAKE XEQ CLASS PRINTABLE K0803000	
0014D4	95D1 D0B6	000B6		14060+	CLI COFJOB,C'J' TEST FOR NORMAL K0803500	
0014D8	4780 A0C6	014EC		14061+	BE COFJMDAX DISPLAY IF YES K0804000	
0014DC	927C D0D2	000D2		14062+	MVI COFAXC,CATTSUID SET TSU DISPLAY CLASS K0804500	
0014E0	95E3 D0B6	000B6		14063+	CLI COFJOB,C'T' IS THIS TSU K0805000	
0014E4	4780 A0C6	014EC		14064+	BE COFJMDAX DISPLAY IF YES K0805500	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0014E8	925B D0D2	000D2		14065+	MVI	COFAXC,CATSTCID	SET STC DISPLAY CLASS
0014EC				14066+	DS	0H	K0806000
0014EC	D201 D115 1002	00115	00002	14067+	COFJMDAX	DS	K0806500
0014F2	1FFF			14068+	MVC	COFSEC,JQEJOBNO	COPY JOB NUMBER
0014F4	43F0 D119	00119		14069+	SLR	R15,R15	ZERO INSERT REGISTER
0014F8	4100 000E	0000E		14070+	IC	R15,COFLNGTH	PICK-UP CURRENT LENGTH
0014FC	1FF0			14071+	LA	R0,COFAXL	PICK-UP LENGTH TO SHORTEN MSG BY
0014FE	42F0 D119	00119		14072+	SLR	R15,R0	COMPUTE RESIDUAL LENGTH
001502	45E0 A4F0	01916		14073+	STC	R15,COFLNGTH	SAVE NEW LENGTH FOR \$WTO
					BAL	R14,COFJWTO	ISSUE WTO

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
001506				14075+	COFJMDXC	DS 0H	K0814000
001506	9110 D117	00117		14076+		TM COFOPT,COFD DOES USER WANT 'ON DEVICE'	K0814500
00150A	0782			14077+		BZR WA EXIT	K0815000
00150C	D501 1010 B3F8	00010	003F8	14078+		CLC JQEJOE,\$ZEROS ARE THERE ANY SPINS... @OZ27300	K0815500
001512	0782			14079+		BZR WA EXIT	K0816000
001514	D501 1002 D115	00002	00115	14080+		CLC JQEJOBNO,COFSEC SAME JOB NUMBER	K0816500
00151A	0772			14081+		BNER WA EXIT	K0817000
00151C	45E0 C7C4	007C4		14082+		BAL LINK,COFJDCT FIND DCT PERFORMING JOB I/O	K0672000
001520	47F0 2000	00000		14083+		B 0(,WA) RETURN IF NONE	K0818000
001524	47F0 A16A	01590		14084+		B COFDEVCR ENTER DEVICE CREATE RTN	K0818500
				14085+	*****		K0819000
				14086+		* JOB AWAITING EXECUTION *	K0819500
				14087+	*****		K0819600
001528	9120 D117	00117		14088+	COFJMQX	TM COFOPT,COFI CALLER WANT PRE-EXECUTION	K0820000
00152C	4780 A14E	01574		14089+		BZ COFJMD TRY DEVICE	K0820500
001530	45F0 A38A	017B0		14090+		BAL R15,COFJMB CREATE BASIC MESSAGE	K0821000
001534	4500 A47C	018A2		14091+		BAL R0,COFJMAFQ ADD SYS NAME(S)-RET ON R15	K0821500
001538	D207 D0C8 A5AA	000C8	019D0	14092+		MVC COFQUE,=C'AWAITING' SET	K0822000
00153E	D208 D0D1 A5E6	000D1	01A0C	14093+		MVC COFQX,=C'EXECUTION *' TEXT	K0822500
001544	D200 D0DB 1001	000DB	00001	14094+		MVC COFQXC,JQETYPE SET NORMAL CLASS	K0823000
00154A	9680 D0DB	000DB		14095+		OI COFQXC,X'80' MAKE DISPLAYABLE	K0823500
00154E	95D1 D0B6	000B6		14096+		CLI COFJOB,C'J' TEST FOR NORMAL	K0824000
001552	4780 A140	01566		14097+		BE COFJMDQX DISPLAY IF YES	K0824500
001556	927C D0DB	000DB		14098+		MVI COFQXC,CATTSUID SET TSU DISPLAY CLASS	K0825000
00155A	95E3 D0B6	000B6		14099+		CLI COFJOB,C'T' IS THIS TSU	K0825500
00155E	4780 A140	01566		14100+		BE COFJMDQX DISPLAY IF YES	K0826000
001562	925B D0DB	000DB		14101+		MVI COFQXC,CATSTCID SET STC DISPLAY CLASS	K0826500
001566				14102+	COFJMDQX	DS 0H ISSUE QUEUED FOR XEQ MESSAGE	K0827000
001566	D201 D115 1002	00115	00002	14103+		MVC COFSEC,JQEJOBNO COPY JOB NUMBER	K0827500
00156C	45E0 A4F0	01916		14104+		BAL R14,COFJWTO ISSUE MESSAGE	K0828000
001570	47F0 A0E0	01506		14105+		B COFJMDXC CONTINUE DEVICE SCAN	K0828500
001574				14106+	COFJMT	DS 0H R4	K0829000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14108+	*****	K0837900
				14109+	* SEARCH FOR DEVICE ACTIVITY	* K0838000
				14110+	*****	K0838100
001574	5010 D08C	0008C		14111+	COFJMD ST R1, COMEWORK SAVE JQE ADDRESS @OZ29819	K0838500
001578	9110 D117	00117		14112+	TM COFOPT, COFD CALLER WANT 'ON DEVICE'... @OZ29819	K0839000
00157C	4780 A2AC	016D2		14113+	BZ COFJMJO BR IF NO @OZ29819	K0839500
001580	45E0 C7C4	007C4		14114+	BAL LINK, COFJDCT FIND DCT PERFORMING JOB I/O	K0672000
001584	47F0 A2AC	016D2		14115+	B COFJMJO BR IF NO ACTIVE DEVICE +0 @OZ29819	K0840500
001588	41E0 A29C	016C2		14116+	COFDEVCT LA R14, COFJMDCC POINT TO EXIT ROUTINE +4 @OZ29819	K0841000
00158C	47F0 A16E	01594		14117+	B COFJOIN AND ENTER EXAMINATION RTN	K0841500
001590				14118+	COFDEVCR DS 0H DETERMINE JOB ON ACTIVE SYS	K0842000
001590	41E0 A290	016B6		14119+	LA R14, COFJMDC POINT TO EXIT ROUTINE	K0842500
001594				14120+	COFJOIN DS 0H JOB ACTIVE EXAM RTN	K0843000
001594	4300 1000	00000		14121+	IC R0, 0(, R1) PICK UP ACTIVE FLAG	K0843500
001598	5400 A5BA	019E0		14122+	N R0, =A(QUEBUSY) TURN 'OFF' ALL BUT BUSY FLAG	K0844000
00159C	41F0 0001	00001		14123+	LA R15, 1 ASSUME 1ST SYSTEM IS DESIRED	K0844500
0015A0	47F0 A182	015A8		14124+	B *+8 ENTER CONVERT LOOP	K0845000
0015A4	89F0 0001	00001		14125+	SLL R15, 1 ASSUME NEXT SYSTEM DESIRED	K0845500
0015A8	4600 A17E	015A4		14126+	BCT R0, *-4 LOOP TILL SYSTEM FOUND	K0846000
0015AC	44F0 A2A8	016CE		14127+	EX R15, COFAFFTS ACTIVE JOB ON DESIRED SYSTEM... R4	K0846500
0015B0	078E			14128+	BZR R14 NO--ENTEER DESIRED ROUTINE	K0847000
0015B2	5010 D0A8	000A8		14129+	ST R1, COMFWORK SAVE ADDRESS FOR LATER	K0847500
0015B6	5810 D08C	0008C		14130+	L R1, COMEWORK RESTORE JQE POINTER	K0848000
0015BA	45F0 A38A	017B0		14131+	BAL R15, COFJMB CREATE BASIC MESSAGE	K0848500
0015BE	5010 D08C	0008C		14132+	ST R1, COMEWORK SAVE JQE POINTER AGAIN	K0849000
0015C2	5810 D0A8	000A8		14133+	L R1, COMFWORK RESTORE R1 CONTENTS	K0849500
0015C6	43F0 1000	00000		14134+	IC R15, 0(, R1) PICK-UP ACTIVE SYS BIT	K0850000
0015CA	4500 A44C	01872		14135+	BAL R0, COFJMAFA ADD SYS NAME--RET ON R15	K0850500
0015CE	D201 D0C8	A5D2 000C8	019F8	14136+	MVC COFON, =C'ON' SET JOBNAME 'ON' DEVICE NAME	K0851000
0015D4	9180 1001	00001		14137+	TM 1(R1), DCTRMTID RJE R4	K0852000
0015D8	4770 A212	01638		14138+	BNZ COFRMDEV DO REMOTE CONVERSION IF YES R4	K0854000
0015DC	950F 1001	00001		14139+	CLI 1(R1), X'0F' TEST FOR PSO JOE @OZ30706	K0854200
0015E0	4780 A208	0162E		14140+	BE COFPSO YES-INSERT PSO ID @OZ30706	K0854400
0015E4	1FFF			14141+	SLR R15, R15 ZERO INSERT REGISTER	K0854500
0015E6	43F0 1001	00001		14142+	IC R15, 1(, R1) PICKUP DEVICE FLAGS	K0855000
0015EA	88F0 0004	00004		14143+	SRL R15, 4 SHIFT TO LOW 4 BITS OF REG	K0855500
0015EE	4CF0 A5D4	019FA		14144+	MH R15, =Y(COFDEVTL) MULTIPLY BY ELEMENT LENGTH	K0856000
0015F2	5EF0 A5BE	019E4		14145+	AL R15, =A(COFDEVTB) POINT TO CORRECT ENTRY	K0856500
0015F6	D207 D0CB	F001 000CB	00001	14146+	MVC COFDEV, 1(R15) FILL IN DEVICE NAME	K0857000
0015FC	9500 F000	00000		14147+	CLI 0(R15), 0 TEST FOR INTERNAL READER	K0857500
001600	4780 A264	0168A		14148+	BE COFDEVND YES-SKIP NEXT PORTION OF NAME BLD	K0858000
001604	1F00			14149+	SLR R0, R0 ZERO INSERT REGISTER	K0858500
001606	4300 1002	00002		14150+	IC R0, 2(, R1) PICK-UP DEVICE NUMBER	K0859000
00160A	4E00 D090	00090		14151+	CVD R0, COMDWORK CONVERT TO PACKED NUMBER	K0859500
00160E	4300 F000	00000		14152+	IC R0, 0(, R15) PICK-UP LENGTH OF DEVICE NAME	K0860000
001612	41E0 D0CB	000CB		14153+	LA R14, COFDEV PT TO BEGINNING OF NAME	K0860500
001616	1EE0			14154+	ALR R14, R0 COMPUTE POSITION FOR DEVICE NBR	K0861000
001618	D202 E001	A5FA 00001	01A20	14155+	MVC 1(3, R14), =X'202020' PUT MASK INTO AREA	K0861500
00161E	DF03 E000	D096 00000	00096	14156+	EDMK 0(4, R14), COMDWORK+6 SET EBCDIC NBR INTO DEVICE NAME	K0862000
001624	D203 E000	1000 00000	00000	14157+	MVC 0(4, R14), 0(R1) PUT 1ST TWO DIGITS IN NO. FIELD	K0862500
00162A	47F0 A264	0168A		14158+	B COFDEVND AND EXIT DEVICE NAME RTN	K0863000
00162E				14159+	COFPSO DS 0H @OZ30706	K0863100
00162E	D207 D0CB	A5B2 000CB	019D8	14160+	MVC COFDEV, =C'PRSYSOUT' FILL IN DEVICE NAME @OZ30706	K0863200
001634	47F0 A264	0168A		14161+	B COFDEVND AND EXIT DEVICE NAME RTN @OZ30706	K0863300

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22	
001638					14163+	COFRMDEV DS	0H	DEVICE IS A REMOTE K0863500	
001638	1F00				14164+	SLR	R0,R0	ZERO INSERT REGISTER K0864000	
00163A	4300	1002	00002		14165+	IC	R0,2(,R1)	PICK-UP REMOTE NUMBER K0864500	
00163E	4E00	D090	00090		14166+	CVD	R0,COMDWORK	CONVERT TO PACKED DECIMAL K0865000	
001642	92D9	D0CB	000CB		14167+	MVI	COFDEV,C'R'	SET REMOTE IDENTIFIER K0868000	
001646	D203	D0CD	A5C2	000CD	019E8	14168+	MVC	COFDEV+2(4),=X'2020204B'	SET MASK AND '.' R4 K0868500
00164C	18E1				14169+	LR	R14,R1	SAVE POINTER TO DEVICE NAME K0869000	
00164E	DF03	D0CC	D096	000CC	00096	14170+	EDMK	COFDEV+1(4),COMDWORK+6	SET EBCDIC REMOTE NO. IN MSG K0869500
001654	D203	D0CC	1000	000CC	00000	14171+	MVC	COFDEV+1(4),0(R1)	MOVE REMOTE NBR AND CONCATENATOR K0870000
00165A	4110	D0CC		000CC		14172+	LA	R1,COFDEV+1	1ST BYTE BEFORE CONCATENATORS K0870500
00165E	4110	1001		00001		14173+	LA	R1,1(,R1)	PT TO NEXT BYTE K0871000
001662	954B	1000		00000		14174+	CLI	0(R1),C'.'	CHECK FOR CONCATENATOR K0871500
001666	4770	A238		0165E		14175+	BNE	*-8	NO--LOOP TILL FOUND K0872000
00166A	1FFF					14176+	SLR	R15,R15	ZERO INSERT REGISTER K0872500
00166C	43F0	E001		00001		14177+	IC	R15,1(,R14)	PICK-UP DEVICE TYPE AND NUMBER K0873000
001670	88F0	0004		00004		14178+	SRL	R15,4	ISOLATE DEVICE TYPE K0873500
001674	1EFF					14179+	ALR	R15,R15	TIMES ELEMENT LENGTH K0874000
001676	41FF	A590		019B6		14180+	LA	R15,COFRMDVT-DCTRMTID/8(R15)	R4 K0875000
00167A	D201	1001	F000	00001	00000	14181+	MVC	1(2,R1),0(R15)	SET DEVICE TYPE IN NAME K0877000
001680	D200	1003	E001	00003	00001	14182+	MVC	3(1,R1),1(R14)	SET DEVICE NUMBER K0877500
001686	96F0	1003		00003		14183+	OI	3(R1),C'0'	MAKE EBCDIC PRINTABLE K0878000
00168A						14184+	COFDEVND DS	0H	EXIT DEVICE NAME CREATE NAME RTN K0878500
00168A	D232	D0D4	D0E2	000D4	000E2	14185+	MVC	COFAXT,COFPRI0	MOVE MESSAGE DOWN K0879000
001690	4110	000E		0000E		14186+	LA	R1,COFAXL	PICK-UP LENGTH TO SUBTRACT K0879500
001694	1FFF					14187+	SLR	R15,R15	ZERO INSERT REGISTER K0880500
001696	43F0	D119		00119		14188+	IC	R15,COFLNGTH	PICK-UP CURRENT LENGTH K0881000
00169A	1FF1					14189+	SLR	R15,R1	COMPUTE NEW LENGTH K0881500
00169C	42F0	D119		00119		14190+	STC	R15,COFLNGTH	SAVE NEW LENGTH K0882000
0016A0	5810	D08C		0008C		14191+	L	R1,COMework	RESTORE JQE POINTER K0885000
0016A4	D201	D115	1002	00115	00002	14192+	MVC	COFSEC,JQEJOBNO	SET SECURITY NUMBER K0885500
0016AA	45E0	A4F0		01916		14193+	BAL	R14,COFJWTO	ISSUE MESSAGE K0886000
0016AE	D501	D115	1002	00115	00002	14194+	CLC	COFSEC,JQEJOBNO	CHECK FOR INTEGRITY K0886500
0016B4	0772					14195+	BNER	WA	RETUEN IF NOT SECURE K0887000
0016B6	45E0	C854		00854		14196+	COFJMDC BAL	LINK,COFJDCTC	CONTINUE DCT SCAN K0727500
0016BA	47F0	2000		00000		14197+	B	0(,WA)	RETURN IF NO MORE K0888000
0016BE	47F0	A16A		01590		14198+	B	COFDEVCR	AND ENTER DEVICE NAME RTN K0888500
0016C2	45E0	C854		00854		14199+	COFJMDCC BAL	LINK,COFJDCTC	CONTINUE DCT SCAN K0727500
0016C6	47F0	A2AC		016D2		14200+	B	COFJMCO	IF NONE, LOOK FOR QUE FOR OUTPUT K0889500
0016CA	47F0	A162		01588		14201+	B	COFDEVCT	AND CONTINUE K0890000
0016CE	9100	D118		00118		14203+	COFAFFS TM	COFAFF,*-*	**** EXECUTE ONLY **** K0890500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14205+	*****	K0891400
				14206+	JOB QUEUED FOR OUTPUT	* K0891500
				14207+	*****	K0891600
0016D2	5810 D08C	0008C		14209+	COFJMQL R1, COMEWORK RESTORE JQE POINTER	K0892500
0016D6	9140 D117	00117		14210+	TM COFOPT, COFO TEST FOR OUTPUT QUEUED	K0893000
0016DA	4780 A2F6	0171C		14211+	BZ COFJMQLPP NO--TEST FOR PRINT PUNCH	K0893500
0016DE	9102 1001	00001		14212+	TM JQETYPE, \$OUTPUT TEST FOR IN OUTPUT PHASE	K0894000
0016E2	4780 A2F6	0171C		14213+	BZ COFJMQLPP NO--PRT/PUN	K0894500
0016E6	9107 1004	00004		14214+	TM JQEFLAGS, QUEBUSY TEST FOR BUSY	K0895000
0016EA	4770 A2FE	01724		14215+	BNZ COFJMQLPA DISPLAY AWAITING PRT/PUN IF YES R4	K0895500
0016EE	45F0 A38A	017B0		14216+	BAL R15, COFJMB BULID BASIC MESSAGE	K0896000
0016F2	4500 A47C	018A2		14217+	BAL R0, COFJMAFQ GET SYS NAMES--RET ON R15	K0896500
0016F6	D207 D0C8 A5AA	000C8	019D0	14218+	MVC COFQUE, =C 'AWAITING' SET AWAITING IN TEXT	K0897000
0016FC	D205 D0D1 A5D6	000D1	019FC	14219+	MVC COFQOUT, =C 'OUTPUT' SET QUEUED FOR 'OUTPUT'	K0897500
001702	D232 D0D8 D0E2	000D8	000E2	14220+	MVC COFQOT, COFPRIO MOVE MESSAGE FOR Q'D FOR OUTPUT	K0898000
001708	1FFF			14221+	SLR R15, R15 ZERO INSERT REGISTER	K0899000
00170A	43F0 D119	00119		14222+	IC R15, COFLNGTH PICK-UP CURRENT LENGTH	K0899500
00170E	4100 000A	0000A		14223+	LA R0, COFQOL PICK-UP LENGTH TO SHORTEN MSG BY	K0900000
001712	1FF0			14224+	SLR R15, R0 COMPUTE RESIDUAL LENGTH	K0900500
001714	42F0 D119	00119		14225+	STC R15, COFLNGTH SAVE NEW MSG LENGTH	K0901000
001718	47F0 A384	017AA		14226+	B COFQMADS AND SEND MESSAGE	K0904500
				14228+	*****	K0905400
				14229+	TEST FOR JOB ON PRINT/PUNCH QUEUE	* K0905500
				14230+	*****	K0905600
00171C	9101 1001	00001		14231+	COFJMQLPP TM JQETYPE, \$HARDCPY TEST FOR QUEUED FOR HARD COPY R41	K0906000
001720	4780 A34A	01770		14232+	BZ COFJMQLPG NO--TRY QUEUED FOR PURGE	K0906500
001724	9180 D117	00117		14233+	COFJMQLPA TM COFOPT, COFP TEST FOR PRINT / PUNCH QUEUING R4	K0907000
001728	4780 A34A	01770		14234+	BZ COFJMQLPG TRY PURGE IF NOT R4	K0907500
00172C	45F0 A38A	017B0		14235+	BAL R15, COFJMB CREATE BASIC MESSAGE	K0908000
001730	D202 D0C8 A5FD	000C8	01A23	14236+	MVC COFPRT, =C 'PRT' SET QUEUE R4	K0908500
001736	D202 D0D5 A600	000D5	01A26	14237+	MVC COFPUN, =C 'PUN' IDENTIFIERS R4	K0909000
00173C	4100 D0CB	000CB		14238+	LA R0, COFPRTR POINT TO RECEIVE AREA R4	K0909500
001740	41F0 100C	0000C		14239+	LA R15, JQEPRTTRT POINT TO PRINT ROUTE FIELD R4	K0910000
001744	45E0 C8EA	008EA		14240+	BAL R14, COFRTC CONVERT TO PRINTABLE R4	K0910500
001748	4100 D0D8	000D8		14241+	LA R0, COFPUNR POINT TO RECEIVE AREA R4	K0911000
00174C	41F0 100E	0000E		14242+	LA R15, JQEPUNRT POINT TO PUNCH ROUTE FIELD R4	K0911500
001750	45E0 C8EA	008EA		14243+	BAL R14, COFRTC CONVERT TO PRINTABLE R4	K0912000
001754	1FFF			14244+	SLR R15, R15 ZERO INSERT REGISTER	K0913000
001756	43F0 D119	00119		14245+	IC R15, COFLNGTH PICK-UP LENGTH OF MSG	K0913500
00175A	41EF D0B6	000B6		14246+	LA R14, COFJOB(R15) POINT TO THE NEXT AVAILABLE BYTE	K0914000
00175E	D202 E000 A603	00000	01A29	14247+	MVC 0(3, R14), =C 'ANY' SET AFFINITY TO 'ANY'	K0914500
001764	41F0 F003	00003		14248+	LA R15, 3(, R15) COMPUTE NEW MESSAGE LENGTH	K0915000
001768	42F0 D119	00119		14249+	STC R15, COFLNGTH AND SVAE NEW LENGTH	K0915500
00176C	47F0 A384	017AA		14250+	B COFQMADS AND SEND COMPLETED MESSAGE	K0919500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14252+	*****	K0919900
				14253+	TEST FOR JOB ON PURGE QUEUE	* K0920000
				14254+	*****	K0920100
001770	9500 1001	00001		14255+	COFJMQPG CLI JQETYPE,\$PURGE ON PURGE QUEUE R41	K0920500
001774	4770 2004	00004		14256+	BNE 4(,WA) RETURN NO DISPLAY R4	K0921000
001778	91E7 D117	00117		14257+	TM COFOPT,COFQ TEST FOR JOB QUEUED TO 'ANYTHING'	K0921500
00177C	47E0 2004	00004		14258+	BNO 4(,WA) NO -- EXIT NO DISPLAY +4	K0922000
001780	45F0 A38A	017B0		14259+	BAL R15,COFJMB CREATE MESSAGE PROTOTYPE	K0922500
001784	4500 A47C	018A2		14260+	BAL R0,COFJMAFQ GET SYS NAMES -- RET ON R15	K0923000
001788	D207 D0C8 A5AA	000C8 019D0		14261+	MVC COFQUE,=C'AWAITING' SET 'AWAITING' FOR PURGE	K0923500
00178E	D204 D0D1 A606	000D1 01A2C		14262+	MVC COFPURGE,=C'PURGE' SET FOR 'PURGE' PROCESSOR	K0924000
001794	D232 D0D7 D0E2	000D7 000E2		14263+	MVC COFQPT,COFPRIO ADJUST MESSAGE FOR PURGE	K0924500
00179A	1FFF			14264+	SLR R15,R15 ZERO INSERT REGISTER	K0925500
00179C	43F0 D119	00119		14265+	IC R15,COFLNGTH PICK-UP CURRENT ENGTH	K0926000
0017A0	4100 000B	0000B		14266+	LA R0,COFQPL PICK-UP LENGTH TO SHORTEN MSG BY	K0926500
0017A4	1FF0			14267+	SLR R15,R0 COMPUTE RESIDUAL LENGTH	K0927000
0017A6	42F0 D119	00119		14268+	STC R15,COFLNGTH AND SAVE IT FOR \$WTO	K0927500
0017AA				14269+	COFQMADS DS 0H EXIT WITH FINAL MESSAGE	K0931000
0017AA	45E0 A4F0	01916		14270+	BAL R14,COFJWTO SEND MESSAGE	K0931500
0017AE	07F2			14271+	BR WA AND RETURN +0	K0932000
				14272+	*****	K0932400
				14273+	SUBROUTINE TO BUILD BASIC JOB INFORMATION MESSAGE	* K0932500
				14274+	*****	K0932600
0017B0	4800 1002	00002		14275+	COFJMB LH R0,JQEJOBNO PICK UP JOB NUMBER	K0933000
0017B4	4900 A5D0	019F6		14276+	CH R0,=H'10000' TEST FOR 'JOB'	K0936000
0017B8	47B0 A3A0	017C6		14277+	BNL COFJMNJ IF NOT TRY 'STC' OR 'TSU'	K0936500
				14278+	THIS LINE DELETED BY APAR NUMBER @OZ29819	K0937000
				14279+	THIS LINE DELETED BY APAR NUMBER @OZ29819	K0937500
0017BC	D202 D0B6 A60B	000B6 01A31		14280+	MVC COFJOB,=C'JOB' SET 'JOB'	K0938000
0017C2	47F0 A3BC	017E2		14281+	B COFJMBA CONTINUE	K0938500
0017C6	4B00 A5CE	019F4		14282+	COFJMNJ SH R0,=H'20000' SEPARATE	K0939000
0017CA	4740 A3B2	017D8		14283+	BL COFJMNT 'STC' FROM 'TSU'	K0939500
				14284+	THIS LINE DELETED BY APAR NUMBER @OZ29819	K0940000
				14285+	THIS LINE DELETED BY APAR NUMBER @OZ29819	K0940500
0017CE	D202 D0B6 A60E	000B6 01A34		14286+	MVC COFJOB,=C'TSU' SET 'TSU'	K0941000
0017D4	47F0 A3BC	017E2		14287+	B COFJMBA CONTINUE	K0941500
				14288+	THIS LINE DELETED BY APAR NUMBER @OZ29819	K0942000
0017D8				14289+	COFJMNT DS 0H @OZ29819	K0942500
0017D8	D202 D0B6 A611	000B6 01A37		14290+	MVC COFJOB,=C'STC' SET 'STC'	K0943000
0017DE	4A00 A5D0	019F6		14291+	AH R0,=H'10000' GET BASE	K0943500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0017E2				14293+	COFJMBA DS 0H	Z0006000
0017E2	45E0 C4BA	004BA		14294+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
0017E6	D204 D0B9 D090	000B9	00090	14295+	MVC COFJNO,COMDWORK SET INTO MESSAGE	K0944500
0017EC	9240 D0BE	000BE		14296+	MVI COFJNAME-1,C' ' BLANK OUT REST OF MESSAGE AREA	K0945000
0017F0	D255 D0BF D0BE	000BF	000BE	14297+	MVC COFJNAME(COFSEC-COFJNAME),COFJNAME-1	K0945500
0017F6	D207 D0BF 1014	000BF	00014	14298+	MVC COFJNAME,JQEJNAME MOVE JOB NAME	K0946000
0017FC	D203 D0E2 A5C6	000E2	019EC	14299+	MVC COFPRI,=C'PRIO' SET 'PRIO'	K0946500
001802	1F00			14300+	SLR R0,R0 ZERO PRIORITY	K0947000
001804	4300 1000	00000		14301+	IC R0,JQEPRIO PICK UP PRIORITY * 16	K0947500
001808	8A00 0004	00004		14302+	SRA R0,4 DIVIDE BY 16	K0948000
00180C	45E0 C4BA	004BA		14303+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
001810	D201 D0E7 D093	000E7	00093	14304+	MVC COFPRI,COMDWORK+5-L'COFPRI MOVE PRIORITY	K0949000
001816	180F			14305+	LR R0,R15 SAVE LINK REGISTER	K0949500
001818	41F0 D0EA	000EA		14306+	LA R15,COFFLAGS SET ADDRESS OF NEXT MESSAGE AREA	K0950000
00181C	91F8 1004	00004		14307+	TM JQEFLAGS,QUEHOLDA+QUEHOLD1+QUEHOLD2+QUEPURGE+QUEOPCAN	K0950500
				14308+*	TEST FOR ANY JOB FLAGS	K0951000
001820	4780 A43E	01864		14309+	BZ COFJMBB NONE--FILL IN THE AFFINITIES	K0951500
001824	D203 D0EA A5CA	000EA	019F0	14310+	MVC COFFLAGS(4),=C'HOLD' ASSUME JOB IS HELD	K0952000
00182A	41F0 F005	00005		14311+	LA R15,5(,R15) PT TO NEXT AVAILABLE MSG AREA	K0952500
00182E	91C0 1004	00004		14312+	TM JQEFLAGS,QUEHOLDA+QUEHOLD1 TEST FOR 'HELD'	K0953000
001832	4770 A43E	01864		14313+	BNZ COFJMBB IF HELD--GO TO AFFINITIES FILL-IN	K0953500
001836	D204 D0EA A606	000EA	01A2C	14314+	MVC COFFLAGS(5),=C'PURGE' ASSUME PURGE	K0954000
00183C	41F0 F001	00001		14315+	LA R15,1(,R15) PT TO NEXT AVAILABLE MSG AREA	K0954500
001840	9110 1004	00004		14316+	TM JQEFLAGS,QUEPURGE TEST FOR SAME	K0955000
001844	4710 A43E	01864		14317+	BO COFJMBB YES--FILL-IN AFFINITIES	K0955500
001848	D205 D0EA A5DC	000EA	01A02	14318+	MVC COFFLAGS(6),=C'CANCEL' ASSUME 'CANCELLED'	K0956000
00184E	41F0 F001	00001		14319+	LA R15,1(,R15) PT TO NEXT AVAILABLE MSG AREA	K0956500
001852	9108 1004	00004		14320+	TM JQEFLAGS,QUEOPCAN TEST FOR CANCELLED	K0957000
001856	4710 A43E	01864		14321+	BO COFJMBB YES--FILL-IN AFFINITIES	K0957500
00185A	D208 D0EA A614	000EA	01A3A	14322+	MVC COFFLAGS,=C'DUPLICATE' MUST BE DUPLICATE JOB NAME	K0958000
001860	41F0 F003	00003		14323+	LA R15,3(,R15) PT TO NEXT AVAILABLE MSG BYTE	K0958500
001864				14324+	COFJMBA DS 0H COMPLETE MESSAGE BODY AND SVAE LN	K0959000
001864	41E0 D0B6	000B6		14325+	LA R14,COFJOB GET ADDRESS OF MSG BEGINNING	K0959500
001868	1FFE			14326+	SLR R15,R14 COMPUTE MESSAGE LENGTH	K0960000
00186A	42F0 D119	00119		14327+	STC R15,COFLNGTH SAVE LENGTH	K0961000
00186E	18F0			14328+	LR R15,R0 RESTORE LINK REGISTER	K0963000
001870	07FF			14329+	BR R15 AND RETURN	K0963500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14331+	*****	K0964400
				14332+*	ADD ACTIVE SYSTEM NAME	* K0964500
				14333+	*****	K0964600
001872				14335+	COFJMAFA DS 0H PICK-UP AFFINITY IN R15 FOR NAME	K0965500
001872	54F0 A5BA	019E0		14336+	N R15,=A(QUEBUSY) TURN OFF NON-BUSY BITS	K0966000
001876	06F0			14337+	BCTR R15,0 LESS ONE FOR DISPLACEMENT	K0966500
001878	4CF0 A5E2	01A08		14338+	MH R15,=AL2(QSELEN) TIMES ELEMENT SIZE @OZ27300	K0967000
00187C	5EF0 B1DC	001DC		14339+	AL R15,\$QSE1 PLUS TABLE START ADDR R4	K0967500
			00000	14340+	USING QSEDESECT,R15 QSE ADDRESSABILITY	K0968000
001880	1FEE			14341+	SLR R14,R14 ZERO INSERT REGISTER	K0969000
001882	43E0 D119	00119		14342+	IC R14,COFLNGTH PICK-UP CURRENT MSG LENGTH	K0969500
001886	41EE D0B6	000B6		14343+	LA R14,COFJOB(R14) PT TO CURRENT MSG END	K0971500
00188A	D203 E000 F008	00000 00008		14344+	MVC 0(L'QSESID,R14),QSESID PUT SYSTEM NAME IN MESSAGE	K0972000
001890	41F0 D0B6	000B6		14345+	LA R15,COFJOB PT TO MSG BEGINNING	K0972500
001894	41E0 E004	00004		14346+	LA R14,L'QSESID(,R14) PT TO MSG ENDING	K0973000
001898	1FEF			14347+	SLR R14,R15 COMPUTE NEW LENGTH	K0973500
00189A	42E0 D119	00119		14348+	STC R14,COFLNGTH SAVE NEW LENFTH FOR \$WTO	K0974500
00189E	18F0			14349+	LR R15,R0 GET GOOD RETURN REGISTER	K0976500
0018A0	07FF			14350+	BR R15 AND RETURN TO CALLER	K0977000
				14351+	DROP R15 DROP QSE ADDRESSABILITY	K0977500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14353+	*****	K0978400
				14354+	ADD QUEUED SYSTEM NAMES TO MESSAGE	* K0978500
				14355+	*****	K0978600
0018A2				14357+	COFJMAFQ DS 0H ADD QUEUED NAMES	K0979500
0018A2	1FFF			14358+	SLR R15,R15 ZERO INSERT REGISTER	K0980500
0018A4	43F0 D119	00119		14359+	IC R15,COFLNGTH PICK-UP CURRENT LENGTH	K0981000
0018A8	41FF D0B6	000B6		14360+	LA R15,COFJOB(R15) PT TO CURRENT MSG END	K0983000
0018AC	917F 1005	00005		14361+	TM JQEFLAG2,QUESYSAF TEST FOR QUEUED TO 'ANY'	K0983500
0018B0	47E0 A49C	018C2		14362+	BNO COFJMAF1 NO--PLACE ALL NAMES IN MSG	K0984000
0018B4	D202 F000 A603	00000 01A29		14363+	MVC 0(3,R15),=C'ANY' SET AFFINITY SYS NAMES TO 'ANY'	K0984500
0018BA	41F0 F003	00003		14364+	LA R15,3(,R15) PT TO NEW END OF MSG	K0985000
0018BE	47F0 A4CC	018F2		14365+	B COFJMAF2 AND EXIT	K0985500
0018C2				14366+	COFJMAF1 DS 0H ADD SPECIFIC SYS NAMES	K0986000
0018C2	58E0 B1DC	001DC		14367+	L R14,\$QSE1 POINT TO 1ST QSE	R4 K0986500
				14368+	* THIS CARD DELETED BY APAR @OZ27300	K0987000
			00000	14369+	USING QSEIDSECT,R14 QSE ADDRESSABILITY	K0987500
0018C6	5020 D098	00098		14370+	ST WA,COMWREGS SAVE WA FOR WORK	K0988000
				14371+	* THIS CARD DELETED BY APAR @OZ27300	K0988500
0018CA	4320 E00D	0000D		14372+	COFJMAF3 IC WA,QSEIAFF PICK UP SYSTEM AFFINITY BIT	@OZ27300 K0989000
0018CE	4420 A4EC	01912		14373+	EX WA,COFJMAFF TEST FOR JOB QUEUED TO THIS SYS	K0989500
0018D2	4780 A4BA	018E0		14374+	BZ COFJMAF4 NO--SEARCH ALL ELEMENTS	K0990000
0018D6	D203 F000 E008	00000 00008		14375+	MVC 0(L'QSEID,R15),QSEID YES--PUT NAME IN MSG	K0990500
0018DC	41F0 F005	00005		14376+	LA R15,L'QSEID+1(,R15) COMPUTE NEXT NAME LOCATION	K0991000
0018E0				14377+	COFJMAF4 DS 0H CYCLE THROUGH ALL ELEMENTS	K0991500
0018E0	9101 E012	00012		14378+	TM QSEFLAGS,QSELAST TEST FOR LAST ELEMENT	K0992000
0018E4	41E0 E014	00014		14379+	LA R14,QSELEN(,R14) BUMP TO NEXT QSE	@OZ27300 K0992100
0018E8	4780 A4A4	018CA		14380+	BZ COFJMAF3 NOT LAST LOOP	K0992500
0018EC	5820 D098	00098		14381+	L WA,COMWREGS ELSE RESTORE WA CONTENTS	K0993000
0018F0	06F0			14382+	BCTR R15,0 REDUCE MSG FOR XTR BLANK	K0993500
0018F2				14383+	COFJMAF2 DS 0H TEST FOR 'IND' MODE OF OPERATION	K0994000
0018F2	9180 1005	00005		14384+	TM JQEFLAG2,QUEINDAF TEST FOR 'IND' MODE	K0994500
0018F6	4780 A4DE	01904		14385+	BZ COFJMAF5 NO--SEND MESSAGE AS IS	K0995000
0018FA	D202 F001 A61D	00001 01A43		14386+	MVC 1(3,R15),=C'IND' SET 'IND' MODE IN MESSAGE	K0995500
001900	41F0 F004	00004		14387+	LA R15,4(,R15) PT TO END OF MESSAGE	K0996000
001904				14388+	COFJMAF5 DS 0H COMPUTE MESSAGE LENGTH	K0996500
001904	41E0 D0B6	000B6		14389+	LA R14,COFJOB PT TO MSG BEGINNING	K0997000
001908	1FFE			14390+	SLR R15,R14 COMPUTE NEW LENGTH	K0997500
00190A	42F0 D119	00119		14391+	STC R15,COFLNGTH SAVE IT	K0998500
00190E	18F0			14392+	LR R15,R0 GET GOOD RETURN REGISTER	K1000500
001910	07FF			14393+	BR R15 AND RETURN	K1001000
001912	9100 1005	00005		14395+	COFJMAFF TM JQEFLAG2,*-* **** EXECUTE ONLY ****	K1002000
				14396+	DROP R14 DROP QSE ADDRESSABILITY	K1002500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14398+	*****	K1002900
				14399+	SEND MESSAGE FOR JOB ACTIVITY	* K1003000
				14400+	*****	K1003100
001916				14402+	COFJWTO DS 0H	CREATE MESSAGE OUTPUT K1004000
001916	50E0 D0A8	000A8		14403+	ST R14,COMFWORK	SAVE R14 K1004500
00191A	9012 D098	00098		14404+	STM R1,WA,COMWREGS	SAVE REGISTERS K1005000
00191E	1F22			14405+	SLR WA,WA	CLEAR INSERT REGISTER K1005500
001920	4320 D119	00119		14406+	IC WA,COFLNGTH	GET MESSAGE LENGTH K1006500
001924	4920 A5E4	01A0A		14407+	COFAGAIN CH WA,=H'70'	CHECK FOR EXCESSION OF MAX LENGTH K1008500
001928	47D0 A560	01986		14408+	BNH COFJFINI	NO--OUTPUT ONE MESSAGE K1009000
00192C	4100 D0FB	000FB		14409+	LA R0,COFJOB+69	PT TO LAST POSSIBLE CHAR IN LINE K1009500
001930	4112 D0B5	000B5		14410+	LA R1,COFJOB-1(WA)	SET ADDRESS OF TOTAL MSG K1010000
001934	1510			14411+	COFCKLN CLR R1,R0	TEST REULTANT LENGTH K1010500
001936	47D0 A526	0194C		14412+	BNH COFLNOK	OK TO SEND IF LESS K1011000
00193A	0620			14413+	COFLESS BCTR WA,0	TOO BIG--REDUCE LENGTH K1011500
00193C	4112 D0B5	000B5		14414+	LA R1,COFJOB-1(WA)	SET NEW END ADDRESS K1012000
001940	9540 1000	00000		14415+	CLI 0(R1),C' '	CHECK FOR BLANK IN MESSAGE K1012500
001944	4780 A50E	01934		14416+	BE COFCKLN	IF YES--TEST LENGTH AGAIN K1013000
001948	47F0 A514	0193A		14417+	B COFLESS	ELSE KEEP REDUCING LENGTH K1013500
00194C				14418+	COFLNOK DS 0H	LENGTH NOW OK FOR 1 LINE MESSAGES K1014000
00194C	1802			14419+	LR R0,WA	SAVE NEW LENGTH K1014500
00194E	4320 D119	00119		14420+	IC WA,COFLNGTH	PICK-UP ORIGINAL LENGTH K1015500
001952	1F20			14421+	SLR WA,R0	COMPUTE NEW LENGTH K1017500
001954	9012 D090	00090		14422+	STM R1,WA,COMDWORK	SAVE REGISTERS K1018000
001958	94FE D0B5	000B5		14423+	NI COMMID+1,X'FE'	SET JOB IS SET K1018500
00195C				14424+	DS 0H	Z0006000
00195C	4520 C07A	0007A		14425+	BAL WA,CWTO	REPLY TO OPERATOR K0161500
001960	9812 D090	00090		14426+	LM R1,WA,COMDWORK	RESTORE REGISTERS K1019500
001964	9240 D0B6	000B6		14427+	MVI COFJOB,C' '	SET BLANK INTO FIRST OF MESSAGE K1020000
001968	D211 D0B7 D0B6	000B7 000B6		14428+	MVC COFJOB+1(COFQUE-COFJOB),COFJOB	BLANK REST K1020500
00196E	0620			14429+	BCTR WA,0	REDUCE NEW LENGTH FOR MOVE K1021000
001970	4420 A55A	01980		14430+	EX WA,COFMVMSG	MOVE MESSAGE DOWN K1021500
001974	4120 2013	00013		14431+	LA WA,1+COFQUE-COFJOB(,WA)	SET NEW MESSAGE LENGTH K1022000
001978	4220 D119	00119		14432+	STC WA,COFLNGTH	SAVE NEW LENGTH K1023000
00197C	47F0 A4FE	01924		14433+	B COFAGAIN	GO OUTPUT REST OF MESSAGE K1025000

001980 D200 D0C8 1001 000C8 00001 14435+COFMVMSG MVC COFJOB+(COFQUE-COFJOB)(*-*),1(R1) ** EXECUTE ONLY ** K1025500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14437+	*****	K1026200
				14438+	OUTPUT LAST LINE OF MESSAGE	* K1026300
				14439+	*****	K1026400
001986				14440+	COFJFINI DS 0H OUTPUT LAST LINE OF MESSAGE	K1026500
001986	1802			14441+	LR R0,WA PUT LENGTH INTO R0	K1027000
001988	9812 D098	00098		14442+	LM R1,WA,COMWREGS RESTORE REGISTERS	K1027500
00198C	9012 D090	00090		14443+	STM R1,WA,COMDWORK SAVE REGISTERS	K1028000
001990	94FE D0B5	000B5		14444+	NI COMMID+1,X'FE' SET JOB ID IS SET	K1028500
001994				14445+	DS 0H Z0006000	
001994	4520 C07A	0007A		14446+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
001998	9812 D090	00090		14447+	LM R1,WA,COMDWORK RESTORE REGISTERS	K1029500
00199C	58E0 D0A8	000A8		14448+	L R14,COMFWORK RESTORE R14	K1030000
0019A0	07FE			14449+	BR R14 AND RETURN	K1030500
		019A2		14451+	COFDEVTB EQU * LOCAL DEVICE LOOK-UP TABLE	K1031500
0019A2	00C9D5E3D9C4D940			14452+	DC AL1(0),CL8'INTRDR'	K1032000
0019AB	06D9C5C1C4C5D940			14453+	DC AL1(6),CL8'READER'	K1032500
0019B4	07D7D9C9D5E3C5D9			14454+	COFPRDEV DC AL1(7),CL8'PRINTER'	R4 K1033000
0019BD	05D7E4D5C3C84040			14455+	DC AL1(5),CL8'PUNCH'	R4 K1033500
		00009		14456+	COFDEVTL EQU (*-COFDEVTB)/4 LENGTH OF EACH ELEMENT	K1034000
		019C6		14458+	COFRMDVT EQU * REMOTE DEVICE LOOK-UP TABLE	K1035000
0019C6	5C5C			14459+	DC CL2'**' SPACER	R4 K1038500
0019C8	D9C4			14460+	DC CL2'RD'	K1039000
0019CA	D7D9			14461+	DC CL2'PR'	K1039500
0019CC	D7E4			14462+	DC CL2'PU'	K1040000
				14464+	DROP R10 RELEASE ROUTINE ADDRESSABILITY	R4 K1041000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0019D0				14466	LTORG ,	R4 K1431000
0019D0	C1E6C1C9E3C9D5C7			14467	=C 'AWAITING'	
0019D8	D7D9E2E8E2D6E4E3			14468	=C 'PRSYSOUT'	
0019E0	00000007			14469	=A (QUEBUSY)	
0019E4	000019A2			14470	=A (COFDEVTB)	
0019E8	2020204B			14471	=X '2020204B'	
0019EC	D7D9C9D6			14472	=C 'PRIO'	
0019F0	C8D6D3C4			14473	=C 'HOLD'	
0019F4	4E20			14474	=H '20000'	
0019F6	2710			14475	=H '10000'	
0019F8	D6D5			14476	=C 'ON'	
0019FA	0009			14477	=Y (COFDEVTL)	
0019FC	D6E4E3D7E4E3			14478	=C 'OUTPUT'	
001A02	C3C1D5C3C5D3			14479	=C 'CANCEL'	
001A08	0014			14480	=AL2 (QSELEN)	
001A0A	0046			14481	=H '70'	
001A0C	C5E7C5C3E4E3C9D6			14482	=C 'EXECUTION *'	
001A17	C5E7C5C3E4E3C9D5			14483	=C 'EXECUTING'	
001A20	202020			14484	=X '202020'	
001A23	D7D9E3			14485	=C 'PRT'	
001A26	D7E4D5			14486	=C 'PUN'	
001A29	C1D5E8			14487	=C 'ANY'	
001A2C	D7E4D9C7C5			14488	=C 'PURGE'	
001A31	D1D6C2			14489	=C 'JOB'	
001A34	E3E2E4			14490	=C 'TSU'	
001A37	E2E3C3			14491	=C 'STC'	
001A3A	C4E4D7D3C9C3C1E3			14492	=C 'DUPLICATE'	
001A43	C9D5C4			14493	=C 'IND'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14495	*****	K1432500
				14496	*	* K1433000
				14497	* S E C O N D A R Y C S E C T F O R C O M M E D I T	* K1433500
				14498	* A N D A L L V E R B P R O C E S S O R S	* K1434000
				14499	*	* K1434500
				14500	*****	K1435000
				14502	HASPCOMA \$ENTRY BASE=,CSECT=YES PROVIDE PROCESSOR IDENTIFICATION	K1436000
001FB8				14503+	HASPCOMA CSECT CREATE NEW HASP CSECT	CX032000
001FB8	C8C1E2D7C3D6D4C1			14504+	DC 0C'\$',CL8'HASPCOMA' HASP SEGMENT IDENTIFICATION	CX064000
001FC0	D1C5E2F240F44BF1			14505+	DC CL8'JES2 4.1' HASP VERSION NUMBER	CX068000
				14507	HASPCOME NULL . START OF EDIT ROUTINE	K1440500
001FC8				14508+	HASPCOME DS 0H Z0006000	Z0006000
		01FC8		14509	USING *,BASE3 ADDRESSABILITY FOR EDIT ROUTINE	K1441000
		00000		14510	USING CMBDSECT,R1	K1441500
001FC8	D200 D07F 1004 0007F 00004			14511	MVC COMAUTH,CMBFLAG SET AUTHORITY FLAGS R4	K1442000
				14512	*****	K1442400
				14513	*	* K1442500
				14514	* COPY CMB INTO COMM WORKAREA AND INITIALIZE WORK FIELDS	* K1442600
				14515	*	* K1442700
				14516	*****	K1442800
001FCE	D200 D07E 100A 0007E 0000A			14517	MVC COMINCON,CMBUCM COPY POSSIBLE INPUT UCMID R4	K1442900
001FD4	D20D D070 1004 00070 00004			14518	MVC COMFLAG(14),CMBFLAG COPY CMB INFORMATION R4	K1443000
001FDA	9200 D073 00073			14519	MVI COMML,0 ZERO THE LENGTH R4	K1443500
001FDE	9470 D070 00070			14520	NI COMFLAG,255-CMBFLAGC-CMBFLAGR-CMBFLAGJ-CMBFLAGD-CMBFLAGS	K1444000
001FE2	9277 D071 00071			14521	MVI COMLEVEL,\$ALWAYS+\$HI FORCE LEVEL AND PRIORITY R4	K1444500
001FE6	D201 D074 1012 00074 00012			14522	MVC COMTO,CMBFM RESPONSE GOES TO SENDING SYSTEM R4	K1445000
001FEC	D200 D088 1012 00088 00012			14523	MVC COMJSYS,CMBFMSYS SET BYTE 1 R4	K1446000
001FF2	9110 D070 00070			14524	TM COMFLAG,CMBFLAGU IS THIS UCM R4	K1448500
001FF6	4780 8036 01FFE			14525	BZ SKIP20 SKIP LINE TYPE RESET R4	K1449000
001FFA	9200 D078 00078			14526	MVI COMLINET,0 RESET LINE TYPE FIELD R4	K1449500
001FFE	D201 D0B4 848F 000B4 02457			14527	SKIP20 MVC COMMID,COMMIDC INSERT MESSAGE ID	K1450000
002004	4130 D0B6 000B6			14528	LA WB,COMMAND POINT TO RECEIVE AREA	K1451000
002008	9240 3000 00000			14529	MVI 0(WB),C' ' SET BLANK	K1451500
00200C	D2C6 3001 3000 00001 00000			14530	MVC 1(L'COMMAND-1,WB),0(WB) BLANK OUT AREA	K1452000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14532	*****	K1459500
				14533	*	* K1459600
				14534	* INITIALIZE FOR EDIT SCAN	* K1459700
				14535	*	* K1459800
				14536	*****	K1459900
002012	4120 1014	00014		14537	LA WA,CMBMSG POINT TO MESSAGE	K1460000
002016	1F44			14538	SLR WC,WC ZERO COUNTER	K1460100
002018	4340 1007	00007		14539	IC WC,CMBML PICK UP LENGTH OF MESSAGE	R4 K1460500
00201C	4160 D0B8	000B8		14540	LA WE,COMOPRND SET POINTER TO	K1461000
002020	5060 D188	00188		14541	ST WE,COMPNTER FIRST OPERAND	K1461500
002024	4150 D18C	0018C		14542	LA WD,COMPNTER+4 POINT TO SECOND OPERAND POINTER	K1462000
002028	4160 0014	00014		14543	LA WE,(COMNULOP-COMPNTER)/4 SET MAXIMUM OPERANDS	K1462500
00202C	4100 0001	00001		14544	LA R0,1 CONSTANT FOR SPACE	K1463000
002030	1FFF			14545	SLR R15,R15 SET APOSTROPHE SWITCH OFF	R41 K1463500
002032	1FAA			14546	SLR R10,R10 SET MULTIPLE COMMAND POINTER	K1464000
002034	40A0 D0AC	000AC		14547	STH R10,COMLCCA SET L=CCA INDICATORS	K1464500
002038	50A0 D1D8	001D8		14548	ST R10,COMNULOP SET MAXIMUM NULL OPERAND	R4 K1465000
				14549	*****	K1465500
				14550	*	* K1465600
				14551	* CHECK FOR APOSTROPHE AND FLIP APOSTROPHE SWITCH (R15) IF	* K1465700
				14552	* ONE FOUND (DON'T FLIP IF PAIR OF APOSTROPHES). NOTE THAT	* K1465800
				14553	* THE INSTRUCTION LABELED 'COSW' WILL RESULT IN A BRANCH TO:	* K1465900
				14554	* COMVCOFF -- IF THE APOSTROPHE SWITCH (R15) IS OFF	* K1466000
				14555	* COMVC -- IF THE APOSTROPHE SWITCH IS ON	* K1466100
				14556	*	* K1466200
				14557	*****	K1466300
00203C	957D 2000	00000		14558	COCOMLOP CLI 0(WA),C'''' DO WE HAVE AN APOSTROPHE	K1466400
002040	4770 8090	02058		14559	BNE COSW IF NOT SKIP SWITCH SETTING	K1466500
002044	957D 2001	00001		14560	CLI 1(WA),C'''' DO WE HAVE A PAIR	K1467000
002048	4770 808C	02054		14561	BNE COSWFLP IF NOT FLIP SWITCH	K1467500
00204C	1A20			14562	AR WA,R0 ADD ONE SOURCE POINTER	K1468000
00204E	4640 811A	020E2		14563	BCT WC,COMVC MOVE SINGLE APOSTROPHE	K1468500
002052	1A40			14564	AR WC,R0 FORGET SECOND APOSTROPHI	K1469000
002054	57F0 8758	02720		14565	COSWFLP X R15,=A(COMVC-COMVCOFF) SET OR RESET APOSTROPHE SW	K1469500
002058	47FF 8094	0205C		14566	COSW B COMVCOFF(R15) BRANCH ACCORDING TO SWITCH	R41 K1470000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
					14568	*****	K1470500
					14569	*	* K1471000
					14570	* REMOVE BLANKS AND CHECK FOR MULTIPLE COMMANDS (SEMICOLON)	* K1471100
					14571	*	* K1471200
					14572	*****	K1471300
00205C	9540	2000	00000		14573	COMVCOFF CLI 0(WA),C' ' DO WE HAVE BLANK	K1471500
002060	4780	8122	020EA		14574	BE COCOMNXT IF SO DO NOT MOVE	K1472000
002064	955E	2000	00000		14575	CLI 0(WA),X'5E' CHECK FOR MULTIPLE COMMANDS	K1472500
002068	4770	80F4	020BC		14576	BNE COMNMUL BR IF NOT MULTIPLE COMMAND	K1473000
00206C	12AA				14577	LTR R10,R10 TEST FOR FIRST MULTIPLE	K1473500
00206E	4770	80CC	02094		14578	BNZ COMULT IF NOT TEST FOR PREVIOUS L=CCA	K1474000
002072	4240	1007	00007		14579	STC WC,CMBML SAVE FOR NEXT COMMAND SCAN R4	K1474500
002076	4640	80B6	0207E		14580	BCT WC,+8 DECREMENT AND SKIP	K1475000
00207A	47F0	8128	020F0		14581	B COFINMVC IF NO MORE AFTER SEPARATOR FAKE END	K1475500
00207E	0640				14582	BCTR WC,0 GET MOVE COUNT	K1476000
002080	4440	80EE	020B6		14583	EX WC,COMULMV MOVE COMMAND WITHIN CMB	K1476500
002084	4120	1015	00015		14584	LA WA,CMBMSG+1 POINT TO FIRST OF NEXT COMMAND	K1477000
002088	1E40				14585	ALR WC,R0 UP TO ACTUAL COUNT	K1477500
00208A	1860				14586	LR WE,R0 FORCE OPERAND COUNTING OFF	K1478000
00208C	18A3				14587	LR R10,WB COPY BREAK ADDRESS	K1478500
00208E	1E30				14588	ALR WB,R0 UP TO NEXT AVAILABLE SPACE	K1479000
002090	47F0	8074	0203C		14589	B COCOMLOP LOOP	K1479500
002094	D501	A001	8760	00001	02728	14590 COMULT CLC 1(2,R10),=C'L=' IS THIS L= OPERAND	K1480000
00209A	4780	8128	020F0		14591	BE COFINMVC FAKE END	K1480500
00209E	1F3A				14592	SLR WB,R10 GET LENGTH	K1481000
0020A0	4430	80E8	020B0		14593	EX WB,COMULBK BLANK OUT COMMAND	K1481500
0020A4	1111				14594	LNR R1,R1 NEGATIVE CMB POINTER (REQUEUE SW)	K1482000
0020A6	1874				14595	LR WF,WC SAVE COUNT OF REMAINING INFORMATION	K1482500
0020A8	4130	A001	00001		14596	LA WB,1(0,R10) POINT TO NEXT AVAILABLE	K1483000
0020AC	47F0	8122	020EA		14597	B COCOMNXT LOOP	K1483500
					14598	*****	K1483700
					14599	* EXECUTED INSTRUCTIONS -- EXECUTE ONLY	* K1483800
					14600	*****	K1483900
0020B0	D200	A001	A000	00001	00000	14601 COMULBK MVC 1(*-*,R10),0(R10) BLANK OUT COMMAND	K1484000
0020B6	D200	1015	2001	00015	00001	14602 COMULMV MVC CMBMSG+1(*-*),1(WA) MOVE ALL BUT COMMAND ID CHARACTER	K1484500
					14604	*****	K1484900
					14605	*	* K1485000
					14606	* MOVE AND UPPER CASE CHARACTER	* K1485100
					14607	* UPDATE OPERAND POINTER TABLE IF COMMA	* K1485200
					14608	*	* K1485300
					14609	*****	K1485400
0020BC					14610	COMNMUL DS 0H	K1485500
0020BC	D600	3000	2000	00000	00000	14611 OC 0(1,WB),0(WA) MOVE AND UPPER CASE THE CHARACTER	K1485600
0020C2	1A30				14612	AR WB,R0 ADD TO RECEIVER FIELD POINTER	K1486000
0020C4	956B	2000	00000		14613	CLI 0(WA),C', ' WAS IT COMMA	K1486500
0020C8	4770	8122	020EA		14614	BNE COCOMNXT IF NOT GO TO NEXT CHARACTER	K1487000
0020CC	4660	810E	020D6		14615	BCT WE,COCOMMA SET OPERAND POINTER	K1487500
0020D0	1A60				14616	AR WE,R0 FORCE CONTINUOUS FALL THROUGH	K1488000
0020D2	47F0	8122	020EA		14617	B COCOMNXT GET NEXT CHARACTER	K1488500
0020D6	5030	5000	00000		14618	COCOMMA ST WB,0(0,WD) SAVE OPERAND	K1489000
0020DA	4150	5004	00004		14619	LA WD,4(0,WD) POINT TO NEXT AREA	K1489500
0020DE	47F0	8122	020EA		14620	B COCOMNXT NEXT CHARACTER	K1490000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14622	*****	K1490400
				14623	*	* K1490500
				14624	* COME HERE WHEN APOSTROPHE SWITCH (R15) IS ON TO MOVE AND	* K1490600
				14625	* UPPER CASE ONLY	* K1490700
				14626	*	* K1490800
				14627	* NOTE: TO MOVE WITHOUT UPPER CASING, CHANGE OC TO MVC	* K1490900
				14628	*	* K1491000
				14629	*****	K1491100
0020E2	D600 3000 2000 00000 00000			14630	COMVC OC 0(1,WB),0(WA) MOVE AND UPPER CASE	K1491200
0020E8	1A30			14631	AR WB,R0 ADD TO RECEIVE FIELD POINTER	K1491500
				14633	*****	K1491900
				14634	*	* K1492000
				14635	* CONTINUE EDIT SCAN WITH NEXT CHARACTER (IF ANY)	* K1492100
				14636	*	* K1492200
				14637	*****	K1492300
0020EA	1A20			14638	COCOMNXT AR WA,R0 ADD TO SOURCE FIELD POINTER	K1492400
0020EC	4640 8074 0203C			14639	BCT WC,COCOMLOP LOOP	K1492500
				14641	*****	K1492900
				14642	*	* K1493000
				14643	* COME HERE WHEN ENTIRE COMMAND SCANNED, OR WHEN GLOBAL	* K1493100
				14644	* L=CCA OPERAND HAS BEEN FOUND	* K1493200
				14645	*	* K1493300
				14646	*****	K1493400
0020F0	1E30			14647	COFINMVC ALR WB,R0 POINT TO NULL LOCATION	K1493500
0020F2	12AA			14648	LTR R10,R10 DO WE HAVE MULTIPLE COMMANDS	K1493600
0020F4	4780 8164 0212C			14649	BZ COMCMBF FREE CMB	K1494000
0020F8	D501 A001 8760 00001 02728			14650	CLC 1(2,R10),=C'L=' IS THIS L=	K1494500
0020FE	4770 8148 02110			14651	BNE COMBKIT BLANK IT IF NOT	K1495000
002102	926B A000 00000			14652	MVI 0(R10),C',' SATISFY L=CCA CONVERTER	K1495500
002106	1211			14653	LTR R1,R1 TEST FOR REQUEUEING	K1496000
002108	47B0 8164 0212C			14654	BNM COMCMBF FREE IF ONLY ONE COMMAND	K1496500
00210C	47F0 815A 02122			14655	B COMCMBRQ REQUEUE CMB	K1497000
002110	1F3A			14656	COMBKIT SLR WB,R10 GET LAST COMMAND LENGTH + 2	K1497500
002112	0630			14657	BCTR WB,0 GET + 1	K1498000
002114	0630			14658	BCTR WB,0 GET LENGTH	K1498500
002116	4430 80E8 020B0			14659	EX WB,COMULBK BLANK OUT LAST COMMAND	K1499000
00211A	4130 A001 00001			14660	LA WB,1(0,R10) POINT TO NEW NULL OPERAND	K1499500
00211E	1FAA			14661	SLR R10,R10 SET GLOBAL L=CCA NOT POSSIBLE	K1500000
002120	1F77			14662	SLR WF,WF L=CCA NOT PRESENT R4	K1500500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14664	*****	K1500900
				14665	*	* K1501000
				14666	* COME HERE IF MULTIPLE COMMANDS IN CMB TO REQUEUE	* K1501100
				14667	* ADJUSTED CMB TO WORK QUEUE	* K1501200
				14668	*	* K1501300
				14669	*****	K1501400
002122	1011			14670	COMCMBRQ LPR R1,R1 MAKE POINTER POSITIVE	K1501500
002124	5010 B274	00274		14671	COMCMBR ST R1,\$COMMQUE PUT CMB BACK ON LOCAL WORK QUEUE R4	K1509500
				14672	* OTHER CMBS STILL BEHIND CMB	K1510000
002128	47F0 816E	02136		14673	B COMSETNL SET NULL POINTER	K1510500
				14675	*****	K1510900
				14676	* FREE CMB	* K1511000
				14677	*****	K1511100
				14678	COMCMBF \$FRECMB CMB=(R1),COUNT=YES FREE CMB AND UP COUNT	K1511200
00212C				14679+	COMCMBF DS 0H	Z0006000
00212C	BF18 8164	0212C		14680+	ICM R1,8,* FORCE HIGH BYTE NON ZERO	C7010000
002130	58F0 B0B8	000B8		14681+	L R15,\$FRECMB POINT TO \$FRECMB ROUTINE	C7012000
002134	05EF			14682+	BALR LINK,R15 ENTER IT	C7014000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14684	*****	K1511400
				14685	*	* K1511500
				14686	* SETUP FOR BXLE WD,WE,... OPERAND SCANS	* K1511600
				14687	*	* K1511700
				14688	*****	K1511800
002136	5030 5000	00000		14689	COMSETNL ST WB,0(0,WD) SET NULL OPERAND POINTER	R4 K1511900
00213A	4160 0004	00004		14690	LA WE,4 COUNT	K1512500
00213E	1F56			14691	SLR WD,WE POINT TO LAST VALID OPERAND	R4 K1513000
002140	1875			14692	LR WF,WD SET END FOR BXLE	R4 K1513500
002142	4150 D188	00188		14693	LA WD,COMPNTER POINT TO FIRST OPERAND POINTER	R4 K1514000
				14694	*****	K1514500
				14695	*	* K1514600
				14696	* SCAN FOR L=CCA OPERAND IF COMMAND ENTERED LOCALLY	* K1514700
				14697	* AT OS CONSOLE	* K1514800
				14698	*	* K1514900
				14699	*****	K1515000
002146	9110 D070	00070		14700	TM COMFLAG,CMBFLAGU IS THIS UCM	R4 K1515100
00214A	4780 8282	0224A		14701	BZ COMNGLEQ SKIP ADJUSTMENT IF NOT UCMID	K1515500
00214E	18E3			14702	LR R14,WB SAVE STARTING POINT FOR BLANK OUT	K1518500
002150	41F0 0003	00003		14703	COMLCCAL LA R15,3 MAXIMUM CHARACTERS IN CCA	K1519000
002154	0630			14704	BCTR WB,0 POINT TO	K1519500
002156	0630			14705	BCTR WB,0 LAST SOLID CHARACTER	K1520000
002158	D203 D08C 8488	0008C 02450		14706	MVC COMWORK,COMLPTRN SET X'F0F00000'	K1520500
00215E	95C1 3000	00000		14707	CLI 0(WB),C'A' IS THIS 'A' +	R4 K1521000
002162	4740 825E	02226		14708	BL COMLRSET RESET IF NOT	R4 K1521500
002166	95C9 3000	00000		14709	CLI 0(WB),C'I' IS THIS 'A' TO 'I'	R4 K1522000
00216A	47D0 81C6	0218E		14710	BNH COMLSA SET AREA IF YES	R4 K1522500
00216E	95D1 3000	00000		14711	CLI 0(WB),C'J' IS THIS 'J' +	R4 K1523000
002172	4740 825E	02226		14712	BL COMLRSET RESET IF NOT	R4 K1523500
002176	95D9 3000	00000		14713	CLI 0(WB),C'R' IS THIS 'J' TO 'R'	R4 K1524000
00217A	47D0 81C6	0218E		14714	BNH COMLSA SET AREA IF YES	R4 K1524500
00217E	95E2 3000	00000		14715	CLI 0(WB),C'S' IS THIS 'S' +	R4 K1525000
002182	4740 825E	02226		14716	BL COMLRSET RESET IF NOT	R4 K1525500
002186	95E9 3000	00000		14717	CLI 0(WB),C'Z' IS THIS 'S' TO 'Z'	R4 K1526000
00218A	4720 81D2	0219A		14718	BH COMLCC TRY CONSOLE ID	R4 K1526500
00218E	D200 D08F 3000	0008F 00000		14719	COMLSA MVC COMLAREA(1),0(WB) COPY AREA	R4 K1527000
002194	9604 D08E	0008E		14720	OI COMFLG,COMLFLGA SET AREA IS SET	R4 K1527500
002198	0630			14721	COMLCCC BCTR WB,0 NEXT CHARACTER	K1528000
00219A	46F0 81DA	021A2		14722	COMLCC BCT R15,COMLC REDUCE MAX CHARACTERS	K1528500
00219E	47F0 8202	021CA		14723	B COMLCK CHECK FOR KEY WORD	K1529000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22
0021A2	D200	D08D	D08C	0008D	0008C	14725	COMLC MVC COMLLO(1),COMLHI	SHIFT LOW DIGIT	K1529500
0021A8	92F0	D08C		0008C		14726	MVI COMLHI,C'0'	SET HIGH DIGIT	K1530000
0021AC	95F0	3000		00000		14727	CLI 0(WB),C'0'	IS THIS '0' +	K1530500
0021B0	4740	8202		021CA		14728	BL COMLCK	EXIT IF NOT	K1531000
0021B4	95F9	3000		00000		14729	CLI 0(WB),C'9'	IS THIS '0' TO '9'	K1531500
0021B8	4720	8202		021CA		14730	BH COMLCK	EXIT IF NOT	K1532000
0021BC	D200	D08C	3000	0008C	00000	14731	MVC COMLHI(1),0(WB)	SET HIGH DIGIT	K1532500
0021C2	9602	D08E		0008E		14732	OI COMLFLG,COMLFLGC	SET CONSOLE FLAG	K1533000
0021C6	47F0	81D0		02198		14733	B COMLCCC	CHECK CONSOLE DIGIT	K1533500
0021CA	0630					14734	COMLCK BCTR WB,0	POINT TO WHAT SHOULD BE	K1534000
0021CC	0630					14735	BCTR WB,0	' ,L='	K1534500
0021CE	D502	848C	3000	02454	00000	14736	CLC COMLCLEQ,0(WB)	CHECK FOR ' ,L='	K1535000
0021D4	4770	825E		02226		14737	BNE COMLRSET	IF NOT RESET ANY FLAGS	K1535500
0021D8	F271	D090	D08C	00090	0008C	14738	PACK COMDWORK,COMLHI(2)	CONVERT CONSOLE	K1536000
0021DE	4F00	D090		00090		14739	CVB R0,COMDWORK	TO BINARY	K1536500
0021E2	1200					14740	LTR R0,R0	CHECK RESULT	K1537000
0021E4	4770	822C		021F4		14741	BNZ COMLCKH	CHECK HIGH BOUND	R4 K1537500
0021E8	94FD	D08E		0008E		14742	NI COMLFLG,255-COMLFLGC	TURN OFF CONSOLE FLAG	R4 K1538000
0021EC	9604	D08E		0008E		14743	OI COMLFLG,COMLFLGA	SET AREA IS SET	R4 K1538500
0021F0	47F0	8238		02200		14744	B COMLSARA	OVERIDE GLOBAL IF THIS LOCAL	R4 K1539000
0021F4	4900	D0AE		000AE		14745	COMLCKH CH R0,COMCONNO	CHECK FOR TOO HIGH	R4 K1539500
0021F8	4720	825E		02226		14746	BH COMLRSET	IF HIGH RESET FLAGS	K1540000
0021FC	4200	D076		00076		14747	STC R0,COMUCM	SET UCM	R4 K1540500
002200	9200	D0AD		000AD		14748	COMLSARA MVI COMLCCA+1,0	FORCE GLOBAL OFF	K1541000
002204	9240	E000		00000		14749	COMLBLNK MVI 0(R14),C' '	SET BLANK	K1541500
002208	06E0					14750	BCTR R14,0	UNTIL	K1542000
00220A	19E3					14751	CR R14,WB	PARAMETER	K1542500
00220C	47B0	823C		02204		14752	BNL COMLBLNK	GONE	K1543000
002210	4130	3001		00001		14753	LA WB,1(0,WB)	POINT TO NEW NULL	K1543500
002214	5030	7004		00004		14754	ST WB,4(0,WF)	SET NEW NULL OPERAND	R4 K1544000
002218	5930	7000		00000		14755	C WB,0(0,WF)	SAME AS LAST	R4 K1544500
00221C	4770	825A		02222		14756	BNE *+6	SKIP NSI IF NOT	K1545000
002220	1F76					14757	SLR WF,WE	REDUCE NUMBER OF OPERANDS	R4 K1545500
002222	47F0	8264		0222C		14758	B COMNLEQ	SKIP NSI	K1546000
002226	D203	D08C	8488	0008C	02450	14759	COMLRSET MVC COMEWORK,COMLPTRN	RESET WITH PATTERN	K1546500
00222C	12AA					14760	COMNLEQ LTR R10,R10	MULTIPLE L=CCA POSSIBLE	K1547000
00222E	4780	8276		0223E		14761	BZ COMERGE	MERGE FLAGS IF NOT	K1547500
002232	D201	D0AC	D08E	000AC	0008E	14762	MVC COMLCCA,COMLFLG	SAVE FLAGS AND AREA	K1548000
002238	1FAA					14763	SLR R10,R10	ZERO INDICATOR	K1548500
00223A	47F0	8188		02150		14764	B COMLCCAL	LOOK FOR LOCAL L=CCA	K1549000
00223E	D601	D08E	D0AC	0008E	000AC	14765	COMERGE OC COMLFLG(L'COMLCCA),COMLCCA	MERGE FLAGS FOR L=CCA	K1549500
002244	D200	D077	D08F	00077	0008F	14766	MVC COMUCMA,COMLAREA	SET AREA	R4 K1550000
						14767	*****	*****	K1550400
						14768	* END OF L=CCA SCAN *		K1550500
						14769	*****	*****	K1550600
00224A						14770	COMNGLEQ DS 0H		R4 K1550700

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14772	*****	K1598000
				14773	*	* K1598100
				14774	* LOCATE COMMAND IN HASP COMMAND TABLE	* K1598200
				14775	*	* K1598300
				14776	*****	K1598400
00224A				14777	COMLOC DS 0H LOCATE SUBCOMMAND PROCESSOR	R4 K1598500
00224A	9200 D089	00089		14778	MVI COMJRMT,0 ASSUME LOCAL	R4 K1599000
00224E	9140 D070	00070		14779	TM COMFLAG,CMBFLAGW THIS WORKSTATION	R4 K1599500
002252	4780 8294	0225C		14780	BZ COMLOOK SKIP REMOTE SETTING	R4 K1600000
002256	D200 D089 D076	00089 00076		14781	MVC COMJRMT,COMRMT COMPLETE JOB ROUTING FIELD	R4 K1600500
00225C	4140 870C	026D4		14782	COMLOOK LA WC,COMFASTR POINT TO FAST LOOKUP TABLE	R4 K1608500
002260	4120 0004	00004		14783	LA WA,4 SET INCREMENT FOR TABLE SCAN	R4 K1609000
002264	4130 8750	02718		14784	LA WB,COMFSTND SET COMPORAND FOR TABLE SCAN	K1609500
002268	D500 4000 D0B7	00000 000B7		14785	CLC 0(1,WC),COMVERB CHECK FOR HIT IN TABLE	K1610000
00226E	4720 82E6	022AE		14786	BH COMBAD IF TABLE HIGHER -- ERROR	K1610500
002272	4780 82B6	0227E		14787	BE *+12 IF EQUAL -- GO GET PROCESSOR	K1611000
002276	8742 82A0	02268		14788	BXLE WC,WA,*-14 ELSE LOOP THROUGH TABLE	K1611500
00227A	47F0 82E6	022AE		14789	B COMBAD IF NOT FOUND -- ERROR	K1612000
00227E	5840 4000	00000		14790	L WC,0(,WC) GET MAIN TABLE ADDRESS	K1612500
002282	4140 4000	00000		14791	LA WC,0(,WC) CLEAR HIGH-ORDER BYTE	K1613000
002286	4120 0008	00008		14792	LA WA,COMTEL SET INCREMENT TABLE LENGTH	K1613500
00228A	4130 8704	026CC		14793	LA WB,COMTABE SET COMPORAND FOR TABLE SCAN	K1614000
00228E	D500 4006 D0B7	00006 000B7		14794	COMSRL CLC COMTVB(1,WC),COMVERB CHECK FOR VERB IN RANGE	K1614500
002294	4720 82E6	022AE		14795	BH COMBAD HIGHER IS ERROR	K1615000
002298	D500 4007 D0B8	00007 000B8		14796	CLC COMTVB+1(1,WC),COMVERB+1 LOOK AT SECOND CHARACTER	K1615500
00229E	4780 830E	022D6		14797	BE COMFND EXIT IF FOUND	K1616000
0022A2	95FF 4007	00007		14798	CLI COMTVB+1(WC),X'FF' IS IT THE LAST ENTRY FOR COMMAND	K1616500
0022A6	4780 830E	022D6		14799	BE COMFND EXIT IF FOUND	K1617000
0022AA	8742 82C6	0228E		14800	COMSRC BXLE WC,WA,COMSRL LOOP	K1617500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14802	*****	K1618000
				14803	*	* K1618100
				14804	* COME HERE IF COMMAND NOT IN TABLE	* K1618200
				14805	*	* K1618300
				14806	*****	K1618400
0022AE	9110 D070	00070		14807	COMBAD TM COMFLAG,CMBFLAGU IS THIS UCM	R4 K1618500
0022B2	4780 830A	022D2		14808	BZ COMBADA DISPLAY ERROR IF NOT	K1619000
0022B6	4530 83C6	0238E		14809	BAL WB,COMVCCA VERIFY CCA (NO RETURN IF BAD)	K1619500
0022BA	9500 D077	00077		14810	CLI COMUCMA,0 MLWTO	R4 K1620000
0022BE	4780 830A	022D2		14811	BZ COMBADA DISPLAY ERROR IF YES	K1620500
0022C2	9280 D078	00078		14812	MVI COMLINET,X'80' SET CONTROL LINE	R4 K1621000
				14813	\$CWTO L=L'COMMAND DISPLAY COMMAND	K1621500
0022C6				14814+	DS 0H	Z0006000
0022C6	4100 00C8	000C8		14815+	LA R0,L'COMMAND	K0154000
0022CA	4520 C07A	0007A		14816+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
0022CE	9220 D078	00078		14817	MVI COMLINET,X'20' SET DATA LINE	R4 K1622000
				14818	COMBADA \$CFINVC , RESPOND	K1622500
0022D2	47F0 C794	00794		14819+	COMBADA B COFINVC REPLY INVALID COMMAND	K0621000
				14821	*****	K1625000
				14822	*	* K1625100
				14823	* COMMAND FOUND IN TABLE -- CHECK CONSOLE AUTHORITY	* K1625200
				14824	*	* K1625300
				14825	*****	K1625400
0022D6	4310 4000	00000		14826	COMFND IC R1,COMTFL(,WC) PICK UP RESTRICTION BITS	K1625500
0022DA	5410 875C	02724		14827	N R1,=A(X'F') PURIFY	@OZ27300 K1625600
0022DE	4410 8452	0241A		14828	EX R1,COMTMI TEST FOR AUTHORIZED CONSOLE	@OZ27300 K1625700
0022E2	4770 82E6	022AE		14829	BNZ COMBAD BR IF UNAUTHORIZED CONSOLE	@OZ27300 K1625800
				14831	*****@OZ27300	K1626000
				14832	*	@OZ27300 K1626100
				14833	* ALLOW ONLY '\$ESYS,RESET=...' AND '\$PJES2...'	@OZ27300 K1626200
				14834	* DURING JES2 SHUTDOWN	@OZ27300 K1626300
				14835	*	@OZ27300 K1626400
				14836	*****@OZ27300	K1626500
0022E6	9104 B427	00427		14838	TM \$STATUS,\$SYSEXIT SHUTDOWN IN PROGRESS...	@OZ27300 K1626700
0022EA	4780 834C	02314		14839	BZ COMTREDI BR IF NO	@OZ27300 K1626800
0022EE	D50A 8766 D0B7	0272E 000B7		14840	CLC =C'ESYS,RESET=',COMVERB TEST COMMAND	@OZ27300 K1626900
0022F4	4780 834C	02314		14841	BE COMTREDI ALLOW \$ESYS,RESET=	@OZ27300 K1627000
0022F8	D504 8771 D0B7	02739 000B7		14842	CLC =C'PJES2',COMVERB TEST COMMAND	@OZ27300 K1627100
0022FE	4780 834C	02314		14843	BE COMTREDI ALLOW \$PJES2	@OZ27300 K1627200
				14844	\$CRET MSG='COMMAND REJECTED -- JES2 SHUTDOWN IN PROGRESS'	@OZ27300 K1627300
002302				14845+	DS 0H	Z0006000
002302	D22C D0B6 8776	000B6 0273E		14846+	MVC COMMAND(45),=C'COMMAND REJECTED -- JES2 SHUTDOWN IN PROG	XK0131000
				+	RESS'	
002308	4100 002D	0002D		14847+	LA R0,45 SET LENGTH OF MSG IN R0	K0131500
00230C	41F0 0008	00008		14848+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
002310	47F0 C1AC	001AC		14849+	B CORET RETURN	K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14851	*****	K1627500
				14852	*	* K1627600
				14853	* CHECK FOR AUTOMATIC REDIRECTION OF RESPONSES	* K1627700
				14854	*	* K1627800
				14855	*****	K1627900
002314	9110 D070	00070		14856	COMTREDI TM COMFLAG,CMBFLAGU IS THIS UCM... @OZ27300	K1628000
002318	4780 83BA	02382		14857	BZ COMGOOD IF NOT SKIP REDIRECTION	K1628500
00231C	9102 D08E	0008E		14858	TM COMFLG,COMLFLGC CONSOLE SET	R4 K1629500
002320	4770 839E	02366		14859	BNZ COMRPT SKIP AUTOMATIC L=CCA	R4 K1631500
002324	1B11			14860	SR R1,R1 ZERO WORK	K1632000
002326	4310 4000	00000		14861	IC R1,COMTFL(0,WC) PICK UP REDIRECT OFFSET	K1632500
00232A	8A10 0004	00004		14862	SRA R1,4 ALIGN TO LOW HEX DIGIT	K1633000
00232E	4780 839E	02366		14863	BZ COMRPT IF ZERO NO REDIRECTION	K1633500
002332	0610			14864	BCTR R1,0 REDUCE BY 1	K1634000
002334	1A11			14865	AR R1,R1 DOUBLE	K1634500
002336	1B22			14866	SR WA,WA ZERO WORK	K1635000
002338	4320 D076	00076		14867	IC WA,COMUCM PICK UP CURRENT UCM	R4 K1635500
00233C	4920 D0AE	000AE		14868	CH WA,COMCONNO CHECK FOR TOO HIGH	K1636000
002340	4720 839E	02366		14869	BH COMRPT FORGET AUTOMATIC IF TOO HIGH	R4 K1636500
002344	58E0 D0B0	000B0		14870	L R14,COMEXTEN POINT TO EXTENDED AREA	K1637000
			00000	14871	USING COMDSECT,R14	K1637500
002348	4C20 E0BE	000BE		14872	MH WA,COMLCON MULTIPLY BY LENGTH DIMENSION	K1638000
00234C	1A12			14873	AR R1,WA COMBINE OFFSETS	K1638500
00234E	4111 E0B0	000B0		14874	LA R1,COMRESP-COMCONL(R1) POINT TO ELEMENT	K1639000
002352	D200 D076 1000	00076 00000		14875	MVC COMUCM,COMCON(R1) INSERT NEW CONSOLE ID	R4 K1639500
002358	9104 D08E	0008E		14876	TM COMFLG,COMLFLGA HAS AREA BEEN SET	R4 K1640000
00235C	4710 839E	02366		14877	BO COMRPT SKIP AUTOMATIC IF YES	R4 K1640500
002360	D200 D077 1001	00077 00001		14878	MVC COMUCMA,COMCONA(R1) SET NEW AREA	R4 K1641000
				14879	DROP R14	K1641500
002366	4530 83C6	0238E		14880	COMRPT BAL WB,COMVCCA VERIFY CCA (NO RETURN IF BAD)	K1642000
00236A	9500 D077	00077		14881	CLI COMUCMA,0 MLWTO	R4 K1642500
00236E	4780 83BA	02382		14882	BZ COMGOOD SKIP IF NOT MLWTO	R4 K1643000
002372	9280 D078	00078		14883	MVI COMLINET,X'80' SET CONTROL LINE	R4 K1643500
				14884	\$CWTO L=L'COMMAND DISPLAY COMMAND	K1644000
002376				14885+	DS 0H	Z0006000
002376	4100 00C8	000C8		14886+	LA R0,L'COMMAND	K0154000
00237A	4520 C07A	0007A		14887+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
00237E	9220 D078	00078		14888	MVI COMLINET,X'20' SET DATA LINE	R4 K1644500
				14890	*****	K1644900
				14891	*	* K1645000
				14892	* SET UP COMMAND PROCESSOR BASE REGISTER, GET ADDRESS OF	* K1645100
				14893	* COMMAND SUBPROCESSOR ----- GO TO PROCESS COMMAND	* K1645200
				14894	*	* K1645300
				14895	*****	K1645400
002382				14896	COMGOOD DS 0H	R4 K1645500
002382	5880 4000	00000		14897	L BASE3,0(,WC) POINT TO GROUP PROCESSOR	R4 K1645600
002386	4810 4004	00004		14898	LH R1,COMTOFF(,WC) OFFSET WITHIN GROUP TO SUB-PROCESSOR	K1646000
00238A	1E18			14899	ALR R1,BASE3 COMPUTE ADDRESS OF SUB-PROCESSOR	K1646500
00238C	07F8			14900	BR BASE3 GO TO IT	K1647000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14902	*****	K1647400
				14903	*	* K1647500
				14904	* SUBROUTINE TO VERIFY CONSOLE/AREA	* K1647600
				14905	*	* K1647700
				14906	*****	K1647800
00238E				14907	COMVCCA DS 0H	R4 K1648000
00238E	5820 D0B0	000B0		14908	L WA, COMEXTEN POINT TO EXTENDED WORK AREA	R4 K1650500
			00000	14909	USING COMDSECT, WA	K1651000
002392	D200 2020 D076	00020	00076	14910	MVC XASCID(1), COMUCM SET UCM	R4 K1651500
002398	D200 2021 D077	00021	00077	14911	MVC XASDID(1), COMUCMA SET AREA	R4 K1652000
00239E	9500 2021	00021		14912	CLI XASDID, 0 ZERO AREA	R4 K1652500
0023A2	4770 83E2	023AA		14913	BNZ SKIP40 SKIP NSI	R4 K1653000
0023A6	92E9 2021	00021		14914	MVI XASDID, C'Z' FORCE AREA Z	R4 K1653500
0023AA	D200 2028 D076	00028	00076	14915	SKIP40 MVC XAU(1), COMUCM TELL OS SOURCE IS SAME AS OUTPUT	R4 K1654000
0023B0	9222 2014	00014		14916	MVI XAN, X'22' SET ID FOR VERIFIER	K1654500
				14917	MODESET EXTKEY=ZERO GET KEY 0	K1655000
				14918+*	/* MACDATE Y-3 77277 @ZA26071*/	01800003
				14919+*	/*	01850002
0023B4	B20A 0000	00000		14920+	SPKA 0(0) SET PSW KEY	79716002
0023B8	58F0 20B8	000B8		14921	L R15, COMVERIF POINT TO OS VERIFICATION ROUTINE	K1655500
0023BC	05EF			14922	BALR R14, R15 ENTER IT	K1656000
				14923	MODESET EXTKEY=HASP GET KEY 1	K1656500
				14924+*	/* MACDATE Y-3 77277 @ZA26071*/	01800003
				14925+*	/*	01850002
0023BE	B20A 0010	00010		14926+	SPKA 16(0) SET PSW KEY	79716002
0023C2	49F0 8762	0272A		14927	CH R15, =H'4' CHECK FOR SERIOUS ERROR	K1657000
0023C6	07D3			14928	BNHR WB SKIP NEXT IF CONSOLE/AREA OK	K1657500
0023C8	1FAA			14929	SLR R10, R10 ZERO WORK	R4 K1658000
0023CA	BFA3 D076	00076		14930	ICM R10, 3, COMUCM+(COMUCMA-COMUCMA) PICK UP UC MID AND AREA	R4 K1658500
0023CE	9200 D077	00077		14931	MVI COMUCMA, 0 FORCE NO MLWTO (NO PREVIOUS LINE)	R4 K1659000
0023D2	49F0 8764	0272C		14932	CH R15, =H'12' IS CONSOLE DOWN	K1659500
0023D6	4770 841E	023E6		14933	BNE *+16 DO NOT SET LOGICAL CONSOLE @OZ29470	K1660000
0023DA	D203 D070 8456	00070	0241E	14934	MVC COMFLAG(4), COWTOL DESTROY APPARENT SOURCE INFO	R4 K1660500
0023E0	D207 D076 845C	00076	02424	14935	MVC COMOUT, COWTOL+(COMOUT-COMFLAG) OMITTING CONTROL FIELD	R4 K1661000
				14936	\$CWTO L=L'COMMAND DISPLAY COMMAND	K1661500
0023E6				14937+	DS 0H	Z0006000
0023E6	4100 00C8	000C8		14938+	LA R0, L'COMMAND	K0154000
0023EA	4520 C07A	0007A		14939+	BAL WA, CWTO REPLY TO OPERATOR	K0161500
0023EE	D223 D0B6 8464	000B6	0242C	14940	MVC COMMAND(COMVINVL), COMVINV MOVE DIAGNOSTIC TEXT	K1662000
0023F4	42A0 D0CC	000CC		14941	STC R10, COMVINVA SET AREA	K1662500
0023F8	88A0 0008	00008		14942	SRL R10, 8 ALIGN CONSOLE ID	K1663000
				14943	\$CFCVE VALUE=(R10) CONVERT TO EBCDIC	K1663500
0023FC	180A			14944+	LR R0, R10	CJ018000
0023FE	45E0 C4BA	004BA		14945+	BAL LINK, COFCVE CONVERT TO EBCDIC	K0233000
002402	D201 D0CA D093	000CA	00093	14946	MVC COMVINVC, COMDWORK+3 SET INTO TEXT	K1664000
002408	D207 D0DA D080	000DA	00080	14947	MVC COMMAND+COMVINVL(8), COMACEID MOVE IDENTIFIER	K1664500
				14948	\$CRET L=COMVINVL+8 EXIT	K1665000
00240E				14949+	DS 0H	Z0006000
00240E	4100 002C	0002C		14950+	LA R0, COMVINVL+8	K0124500
002412	41F0 0008	00008		14951+	LA R15, CORTMSG RETURN AND ISSUE MESSAGE	K0133000
002416	47F0 C1AC	001AC		14952+	B CORET RETURN	K0137500
				14953	DROP WA	K1665500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				14955	*****	K1665900
				14956	*	* K1666000
				14957	* C O M M A N D E D I T R O U T I N E C O N S T A N T S	* K1666100
				14958	*	* K1666200
				14959	*****	K1666300
00241A	9100 D07F		0007F	14960	COMTMI TM COMAUTH,*-* *** EXECUTE ONLY ***	R4 K1668000
				14961	COWTOL \$WTO PRI=\$HI,CLASS=\$ALWAYS,JOB=NO,ROUTE=X'C000',MF=LX	R4 K1668500
00241E	0077000000001000			14962+	COWTOL DC AL1(0,\$ALWAYS+\$HI,0,*-*),AL2(*-*,4096,X'C000',0,0)	R4 IP138000
00242C	D9C5E2D7D6D5E2C5			14963	COMVINV DC C'RESPONSE LOCATION L=CCA UNAVAILABLE '	K1669000
			00024	14964	COMVINVL EQU *-COMVINV	K1669500
			000CA	14965	COMVINVC EQU COMMAND+COMVINVL-16,2	K1670000
			000CC	14966	COMVINVA EQU COMVINVC+2,1	K1670500
002450	F0F00000			14967	COMLPTRN DC C'00',X'0000' WORK AREA PATTERN	K1671000
			0008C	14968	COMLHI EQU COMEWORK HIGH DIGIT OF CONSOLE 'CC'	K1671500
			0008D	14969	COMLLO EQU COMEWORK+1 LOW DIGIT OF CONSOLE 'CC'	K1672000
			0008E	14970	COMFLG EQU COMEWORK+2 FLAG BYTE	K1672500
			00002	14971	COMFLGC EQU 2 CONSOLE HAS BEEN SPECIFIED	K1675000
			00004	14972	COMFLGA EQU 4 AREA HAS BEEN SPECIFIED	R4 K1675500
			0008F	14973	COMLAREA EQU COMEWORK+3 AREA SPECIFICATION	R4 K1676000
002454	6BD37E			14974	COMLCLEQ DC C',L=' SPECIAL PARAMETER ID	K1676500
				14975	COMMIDC \$MSG 000 RESPONSE MESSAGE ID	K1677000
002457				14976+	\$MID000 DC 0AL4(\$MID000) MESSAGE IDENTIFIER	EU056000
002457	000F			14977+	COMMIDC DC X'000F'	E0040000
			00000	14979	USING JQEDSECT,R1 USE R1 TO ADDRESS THE JQE	K1678000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
00245C				14981	COMTAB DS 0F		K1679000
				14982	COMTBLA \$COMTAB A7D,HASPCJB3,REJECT=COMJ	RELEASE JOB BY NAME	K1679500
00245C				14983+	COMTBLA DS 0F	DEFINE SUB-PROCESSOR	K0096500
00245C	04			14984+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
00245D	0047C6			14985+	DC AL3(HASPCJB3)	SUB-PROCESSOR ADDRESS	K0097500
002460	0002			14986+	DC AL2(CA7D-HASPCJB3)	OFFSET TO VERB WITHIN GROUP	K0098000
002462	C17D			14987+	DC CL1'A',X'7D'		K0109500
				14988	\$COMTAB AA,HASPCJB1,REJECT=COMR+COMJ	RELEASE ALL JOBS	R4 K1680000
002464				14989+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
002464	0C			14990+	DC AL1(0*16+COMR+COMJ)	FLAG BYTES	K0097000
002465	00276C			14991+	DC AL3(HASPCJB1)	SUB-PROCESSOR ADDRESS	K0097500
002468	0002			14992+	DC AL2(CAA-HASPCJB1)	OFFSET TO VERB WITHIN GROUP	K0098000
00246A	C1C1			14993+	DC CL2'AA'		K0102000
				14994	\$COMTAB AJ,HASPCJB2,REJECT=COMJ	RELEASE JOB(S)	K1680500
00246C				14995+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
00246C	04			14996+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
00246D	0040F6			14997+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
002470	01C6			14998+	DC AL2(CAJ-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
002472	C1D1			14999+	DC CL2'AJ'		K0102000
				15000	\$COMTAB AQ,HASPCJB1,REJECT=COMR+COMJ	RELEASE XEQ QUEUE	R4 K1681000
002474				15001+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
002474	0C			15002+	DC AL1(0*16+COMR+COMJ)	FLAG BYTES	K0097000
002475	00276C			15003+	DC AL3(HASPCJB1)	SUB-PROCESSOR ADDRESS	K0097500
002478	0116			15004+	DC AL2(CAQ-HASPCJB1)	OFFSET TO VERB WITHIN GROUP	K0098000
00247A	C1D8			15005+	DC CL2'AQ'		K0102000
				15006	\$COMTAB AS,HASPCJB2,REJECT=COMJ	RELEASE STC(S)	K1681500
00247C				15007+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
00247C	04			15008+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
00247D	0040F6			15009+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
002480	01C6			15010+	DC AL2(CAS-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
002482	C1E2			15011+	DC CL2'AS'		K0102000
				15012	\$COMTAB AT,HASPCJB2,REJECT=COMJ	RELEASE TSU(S)	K1682000
002484				15013+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
002484	04			15014+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
002485	0040F6			15015+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
002488	01C6			15016+	DC AL2(CAT-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
00248A	C1E3			15017+	DC CL2'AT'		K0102000
				15018	COMTBLB \$COMTAB B,HASPCDV1,REJECT=COMD	BACKSPACE DEVICE	K1682500
00248C				15019+	COMTBLB DS 0F	DEFINE SUB-PROCESSOR	K0096500
00248C	02			15020+	DC AL1(0*16+COMD)	FLAG BYTES	K0097000
00248D	00536C			15021+	DC AL3(HASPCDV1)	SUB-PROCESSOR ADDRESS	K0097500
002490	00E8			15022+	DC AL2(CB-HASPCDV1)	OFFSET TO VERB WITHIN GROUP	K0098000
002492	C2FF			15023+	DC CL1'B',X'FF'		K0103000
				15024	COMTBLC \$COMTAB C7D,HASPCJB3,REJECT=COMJ	CANCEL JOB BY NAME	K1683000
002494				15025+	COMTBLC DS 0F	DEFINE SUB-PROCESSOR	K0096500
002494	04			15026+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
002495	0047C6			15027+	DC AL3(HASPCJB3)	SUB-PROCESSOR ADDRESS	K0097500
002498	0002			15028+	DC AL2(CC7D-HASPCJB3)	OFFSET TO VERB WITHIN GROUP	K0098000
00249A	C37D			15029+	DC CL1'C',X'7D'		K0109500
				15030	\$COMTAB CA,HASPCAOC,REJECT=COMR+COMS	CANCEL ACES	R4 K1683500
00249C				15031+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
00249C	09			15032+	DC AL1(0*16+COMR+COMS)	FLAG BYTES	K0097000
00249D	0072C4			15033+	DC AL3(HASPCAOC)	SUB-PROCESSOR ADDRESS	K0097500
0024A0	0002			15034+	DC AL2(CCA-HASPCAOC)	OFFSET TO VERB WITHIN GROUP	K0098000
0024A2	C3C1			15035+	DC CL2'CA'		K0102000
				15036	\$COMTAB CJ,HASPCJB2,REJECT=COMJ	CANCEL JOB	K1684000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
0024A4				15037+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024A4	04			15038+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
0024A5	0040F6			15039+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
0024A8	0266			15040+	DC AL2(CCJ-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
0024AA	C3D1			15041+	DC CL2'CJ'		K0102000
				15042	\$COMTAB CS,HASPCJB2,REJECT=COMJ	CANCEL STC(S)	K1684500
0024AC				15043+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024AC	04			15044+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
0024AD	0040F6			15045+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
0024B0	0266			15046+	DC AL2(CCS-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
0024B2	C3E2			15047+	DC CL2'CS'		K0102000
				15048	\$COMTAB CT,HASPCJB2,REJECT=COMJ	CANCEL TSU(S)	K1685000
0024B4				15049+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024B4	04			15050+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
0024B5	0040F6			15051+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
0024B8	0266			15052+	DC AL2(CCT-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
0024BA	C3E3			15053+	DC CL2'CT'		K0102000
				15054	\$COMTAB C,HASPCDV1,REJECT=COMD	CANCEL DEVICE ACTVY.	K1685500
0024BC				15055+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024BC	02			15056+	DC AL1(0*16+COMD)	FLAG BYTES	K0097000
0024BD	00536C			15057+	DC AL3(HASPCDV1)	SUB-PROCESSOR ADDRESS	K0097500
0024C0	020C			15058+	DC AL2(CC-HASPCDV1)	OFFSET TO VERB WITHIN GROUP	K0098000
0024C2	C3FF			15059+	DC CL1'C',X'FF'		K0103000
				15060	\$COMTAB D7D,HASPCJB3,REDIR=\$D7D	DISPLAY JOB BY NAME	K1686000
0024C4				15061+COMTBLD	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024C4	40			15062+	DC AL1(\$D7D*16+0)	FLAG BYTES	K0097000
0024C5	0047C6			15063+	DC AL3(HASPCJB3)	SUB-PROCESSOR ADDRESS	K0097500
0024C8	0002			15064+	DC AL2(CD7D-HASPCJB3)	OFFSET TO VERB WITHIN GROUP	K0098000
0024CA	C47D			15065+	DC CL1'D',X'7D'		K0109500
				15066	\$COMTAB DA,HASPCJB1,REDIR=\$DA	DISPLAY ACTIVE JOBS	K1686500
0024CC				15067+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024CC	10			15068+	DC AL1(\$DA*16+0)	FLAG BYTES	K0097000
0024CD	00276C			15069+	DC AL3(HASPCJB1)	SUB-PROCESSOR ADDRESS	K0097500
0024D0	01B2			15070+	DC AL2(CDA-HASPCJB1)	OFFSET TO VERB WITHIN GROUP	K0098000
0024D2	C4C1			15071+	DC CL2'DA'		K0102000
				15072	\$COMTAB DF,HASPCJ1A,REDIR=\$DF	DISPLAY FORMS QUEUE @OZ29819	K1687000
0024D4				15073+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024D4	20			15074+	DC AL1(\$DF*16+0)	FLAG BYTES	K0097000
0024D5	0032CE			15075+	DC AL3(HASPCJ1A)	SUB-PROCESSOR ADDRESS	K0097500
0024D8	0002			15076+	DC AL2(CDF-HASPCJ1A)	OFFSET TO VERB WITHIN GROUP	K0098000
0024DA	C4C6			15077+	DC CL2'DF'		K0102000
				15078	\$COMTAB DI,HASPCSY1,REDIR=\$DI	DISPLAY INITIATOR(S)	K1687500
0024DC				15079+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024DC	30			15080+	DC AL1(\$DI*16+0)	FLAG BYTES	K0097000
0024DD	0062A2			15081+	DC AL3(HASPCSY1)	SUB-PROCESSOR ADDRESS	K0097500
0024E0	00A0			15082+	DC AL2(CDI-HASPCSY1)	OFFSET TO VERB WITHIN GROUP	K0098000
0024E2	C4C9			15083+	DC CL2'DI'		K0102000
				15084	\$COMTAB DJ,HASPCJB2,REDIR=\$DJ	DISPLAY JOB	K1688000
0024E4				15085+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024E4	40			15086+	DC AL1(\$DJ*16+0)	FLAG BYTES	K0097000
0024E5	0040F6			15087+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
0024E8	028C			15088+	DC AL2(CDJ-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
0024EA	C4D1			15089+	DC CL2'DJ'		K0102000
				15090	\$COMTAB DM,HASPCRM1	DISPLAY MESSAGE	K1688500
0024EC				15091+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0024EC	00			15092+	DC AL1(0*16+0)	FLAG BYTES	K0097000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
0024ED	007DAE			15093+	DC AL3(HASPCRM1) SUB-PROCESSOR ADDRESS		K0097500
0024F0	0002			15094+	DC AL2(CDM-HASPCRM1) OFFSET TO VERB WITHIN GROUP		K0098000
0024F2	C4D4			15095+	DC CL2'DM'		K0102000
				15096	\$COMTAB DN,HASPCJB1,REDIR=\$DN DISPLAY INFO. ON Q'D JOBS		K1689000
0024F4				15097+	DS 0F DEFINE SUB-PROCESSOR		K0096500
0024F4	50			15098+	DC AL1(\$DN*16+0) FLAG BYTES		K0097000
0024F5	00276C			15099+	DC AL3(HASPCJB1) SUB-PROCESSOR ADDRESS		K0097500
0024F8	039E			15100+	DC AL2(CDN-HASPCJB1) OFFSET TO VERB WITHIN GROUP		K0098000
0024FA	C4D5			15101+	DC CL2'DN'		K0102000
				15102	\$COMTAB DO,HASPCMS1,REDIR=\$DO DISPLAY OPERATOR REQUESTS		K1689500
0024FC				15103+	DS 0F DEFINE SUB-PROCESSOR		K0096500
0024FC	60			15104+	DC AL1(\$DO*16+0) FLAG BYTES		K0097000
0024FD	0077FA			15105+	DC AL3(HASPCMS1) SUB-PROCESSOR ADDRESS		K0097500
002500	0002			15106+	DC AL2(CDO-HASPCMS1) OFFSET TO VERB WITHIN GROUP		K0098000
002502	C4D6			15107+	DC CL2'DO'		K0102000
				15108 *	TO BE INSERTED BETWEEN \$DO AND \$DQ ENTRIES *****	BNSW	K1689600
				15109	\$COMTAB DP,BNSWCMD \$DP DISPLAY OUTPUT QUEUE(S) * BNSW		K1689700
002504				15110+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002504	00			15111+	DC AL1(0*16+0) FLAG BYTES		K0097000
002505	003B8C			15112+	DC AL3(BNSWCMD) SUB-PROCESSOR ADDRESS		K0097500
002508	0002			15113+	DC AL2(CDP-BNSWCMD) OFFSET TO VERB WITHIN GROUP		K0098000
00250A	C4D7			15114+	DC CL2'DP'		K0102000
				15115 *	***** BNSW		K1689800
				15116	\$COMTAB DQ,HASPCJB1,REDIR=\$DQ DISPLAY NUMBER OF Q'D JOBS		K1690000
00250C				15117+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00250C	70			15118+	DC AL1(\$DQ*16+0) FLAG BYTES		K0097000
00250D	00276C			15119+	DC AL3(HASPCJB1) SUB-PROCESSOR ADDRESS		K0097500
002510	03AA			15120+	DC AL2(CDQ-HASPCJB1) OFFSET TO VERB WITHIN GROUP		K0098000
002512	C4D8			15121+	DC CL2'DQ'		K0102000
				15122	\$COMTAB DS,HASPCJB2,REDIR=\$DS DISPLAY STC(S)		K1690500
002514				15123+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002514	40			15124+	DC AL1(\$DS*16+0) FLAG BYTES		K0097000
002515	0040F6			15125+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS		K0097500
002518	028C			15126+	DC AL2(CDS-HASPCJB2) OFFSET TO VERB WITHIN GROUP		K0098000
00251A	C4E2			15127+	DC CL2'DS'		K0102000
				15128	\$COMTAB DT,HASPCJB2,REDIR=\$DT DISPLAY TSU(S)		K1691000
00251C				15129+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00251C	40			15130+	DC AL1(\$DT*16+0) FLAG BYTES		K0097000
00251D	0040F6			15131+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS		K0097500
002520	028C			15132+	DC AL2(CDT-HASPCJB2) OFFSET TO VERB WITHIN GROUP		K0098000
002522	C4E3			15133+	DC CL2'DT'		K0102000
				15134	\$COMTAB DU,HASPCMS1,REDIR=\$DU DISPLAY UNITS		K1691500
002524				15135+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002524	80			15136+	DC AL1(\$DU*16+0) FLAG BYTES		K0097000
002525	0077FA			15137+	DC AL3(HASPCMS1) SUB-PROCESSOR ADDRESS		K0097500
002528	006E			15138+	DC AL2(CDU-HASPCMS1) OFFSET TO VERB WITHIN GROUP		K0098000
00252A	C4E4			15139+	DC CL2'DU'		K0102000
				15140 COMTBLE	\$COMTAB E7D,HASPCJB3,REJECT=COMR+COMJ+COMS RESTART JOB R4		K1692000
00252C				15141+COMTBLE	DS 0F DEFINE SUB-PROCESSOR		K0096500
00252C	0D			15142+	DC AL1(0*16+COMR+COMJ+COMS) FLAG BYTES		K0097000
00252D	0047C6			15143+	DC AL3(HASPCJB3) SUB-PROCESSOR ADDRESS		K0097500
002530	0002			15144+	DC AL2(CE7D-HASPCJB3) OFFSET TO VERB WITHIN GROUP		K0098000
002532	C57D			15145+	DC CL1'E',X'7D'		K0109500
				15146	\$COMTAB EJ,HASPCJB2,REJECT=COMR+COMJ+COMS RESTART JOB R4		K1692500
002534				15147+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002534	0D			15148+	DC AL1(0*16+COMR+COMJ+COMS) FLAG BYTES		K0097000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
002535	0040F6			15149+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS		K0097500
002538	0362			15150+	DC AL2(CEJ-HASPCJB2) OFFSET TO VERB WITHIN GROUP		K0098000
00253A	C5D1			15151+	DC CL2'EJ'		K0102000
				15152	\$COMTAB ES,HASPCSY1,REJECT=COMR+COMS RESTART SYSTEM	R4	K1693000
00253C				15153+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00253C	09			15154+	DC AL1(0*16+COMR+COMS) FLAG BYTES		K0097000
00253D	0062A2			15155+	DC AL3(HASPCSY1) SUB-PROCESSOR ADDRESS		K0097500
002540	0570			15156+	DC AL2(CES-HASPCSY1) OFFSET TO VERB WITHIN GROUP		K0098000
002542	C5E2			15157+	DC CL2'ES'		K0102000
				15158	\$COMTAB E,HASPCDV1,REJECT=COMD RESTART DEVICE		K1693500
002544				15159+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002544	02			15160+	DC AL1(0*16+COMD) FLAG BYTES		K0097000
002545	00536C			15161+	DC AL3(HASPCDV1) SUB-PROCESSOR ADDRESS		K0097500
002548	022C			15162+	DC AL2(CE-HASPCDV1) OFFSET TO VERB WITHIN GROUP		K0098000
00254A	C5FF			15163+	DC CL1'E',X'FF'		K0103000
				15164	COMTBLF \$COMTAB F,HASPCDV1,REJECT=COMD FORWARD-SPACE DEVICE		K1694000
00254C				15165+	COMTBLF DS 0F DEFINE SUB-PROCESSOR		K0096500
00254C	02			15166+	DC AL1(0*16+COMD) FLAG BYTES		K0097000
00254D	00536C			15167+	DC AL3(HASPCDV1) SUB-PROCESSOR ADDRESS		K0097500
002550	00E8			15168+	DC AL2(CF-HASPCDV1) OFFSET TO VERB WITHIN GROUP		K0098000
002552	C6FF			15169+	DC CL1'F',X'FF'		K0103000
				15170	COMTBLH \$COMTAB H7D,HASPCJB3,REJECT=COMJ HOLD JOB BY NAME		K1698000
002554				15171+	COMTBLH DS 0F DEFINE SUB-PROCESSOR		K0096500
002554	04			15172+	DC AL1(0*16+COMJ) FLAG BYTES		K0097000
002555	0047C6			15173+	DC AL3(HASPCJB3) SUB-PROCESSOR ADDRESS		K0097500
002558	0002			15174+	DC AL2(CH7D-HASPCJB3) OFFSET TO VERB WITHIN GROUP		K0098000
00255A	C87D			15175+	DC CL1'H',X'7D'		K0109500
				15176	\$COMTAB HA,HASPCJB1,REJECT=COMR+COMJ HOLD ALL JOBS	R4	K1698500
00255C				15177+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00255C	0C			15178+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
00255D	00276C			15179+	DC AL3(HASPCJB1) SUB-PROCESSOR ADDRESS		K0097500
002560	0002			15180+	DC AL2(CHA-HASPCJB1) OFFSET TO VERB WITHIN GROUP		K0098000
002562	C8C1			15181+	DC CL2'HA'		K0102000
				15182	\$COMTAB HJ,HASPCJB2,REJECT=COMJ HOLD JOB		K1699000
002564				15183+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002564	04			15184+	DC AL1(0*16+COMJ) FLAG BYTES		K0097000
002565	0040F6			15185+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS		K0097500
002568	029E			15186+	DC AL2(CHJ-HASPCJB2) OFFSET TO VERB WITHIN GROUP		K0098000
00256A	C8D1			15187+	DC CL2'HJ'		K0102000
				15188	\$COMTAB HQ,HASPCJB1,REJECT=COMR+COMJ HOLD EXECUTION QUEUE	R4	K1699500
00256C				15189+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00256C	0C			15190+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
00256D	00276C			15191+	DC AL3(HASPCJB1) SUB-PROCESSOR ADDRESS		K0097500
002570	0116			15192+	DC AL2(CHQ-HASPCJB1) OFFSET TO VERB WITHIN GROUP		K0098000
002572	C8D8			15193+	DC CL2'HQ'		K0102000
				15194	\$COMTAB HS,HASPCJB2,REJECT=COMJ HOLD STC(S)		K1700000
002574				15195+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002574	04			15196+	DC AL1(0*16+COMJ) FLAG BYTES		K0097000
002575	0040F6			15197+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS		K0097500
002578	029E			15198+	DC AL2(CHS-HASPCJB2) OFFSET TO VERB WITHIN GROUP		K0098000
00257A	C8E2			15199+	DC CL2'HS'		K0102000
				15200	\$COMTAB HT,HASPCJB2,REJECT=COMJ HOLD TSU(S)		K1700500
00257C				15201+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00257C	04			15202+	DC AL1(0*16+COMJ) FLAG BYTES		K0097000
00257D	0040F6			15203+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS		K0097500
002580	029E			15204+	DC AL2(CHT-HASPCJB2) OFFSET TO VERB WITHIN GROUP		K0098000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
002582	C8E3			15205+	DC CL2'HT'	K0102000
				15206	COMTBLI \$COMTAB I,HASPCDV1,REJECT=COMD INTERRUPT DEVICE	K1701000
002584				15207+	COMTBLI DS 0F DEFINE SUB-PROCESSOR	K0096500
002584	02			15208+	DC AL1(0*16+COMD) FLAG BYTES	K0097000
002585	00536C			15209+	DC AL3(HASPCDV1) SUB-PROCESSOR ADDRESS	K0097500
002588	02DA			15210+	DC AL2(CI-HASPCDV1) OFFSET TO VERB WITHIN GROUP	K0098000
00258A	C9FF			15211+	DC CL1'I',X'FF'	K0103000
				15212	COMTBLL \$COMTAB L7D,HASPCJB3 LIST JOB OUTPUT BY NM	K1701500
00258C				15213+	COMTBLL DS 0F DEFINE SUB-PROCESSOR	K0096500
00258C	00			15214+	DC AL1(0*16+0) FLAG BYTES	K0097000
00258D	0047C6			15215+	DC AL3(HASPCJB3) SUB-PROCESSOR ADDRESS	K0097500
002590	0002			15216+	DC AL2(CL7D-HASPCJB3) OFFSET TO VERB WITHIN GROUP	K0098000
002592	D37D			15217+	DC CL1'L',X'7D'	K0109500
				15218	\$COMTAB LJ,HASPCJB2 LIST A JOB'S OUTPUT	K1702000
002594				15219+	DS 0F DEFINE SUB-PROCESSOR	K0096500
002594	00			15220+	DC AL1(0*16+0) FLAG BYTES	K0097000
002595	0040F6			15221+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS	K0097500
002598	03E2			15222+	DC AL2(CLJ-HASPCJB2) OFFSET TO VERB WITHIN GROUP	K0098000
00259A	D3D1			15223+	DC CL2'LJ'	K0102000
				15224	\$COMTAB LS,HASPCJB2 LIST A STC'S OUTPUT	K1702500
00259C				15225+	DS 0F DEFINE SUB-PROCESSOR	K0096500
00259C	00			15226+	DC AL1(0*16+0) FLAG BYTES	K0097000
00259D	0040F6			15227+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS	K0097500
0025A0	03E2			15228+	DC AL2(CLS-HASPCJB2) OFFSET TO VERB WITHIN GROUP	K0098000
0025A2	D3E2			15229+	DC CL2'LS'	K0102000
				15230	\$COMTAB LT,HASPCJB2 LIST A STC'S OUTPUT	K1703000
0025A4				15231+	DS 0F DEFINE SUB-PROCESSOR	K0096500
0025A4	00			15232+	DC AL1(0*16+0) FLAG BYTES	K0097000
0025A5	0040F6			15233+	DC AL3(HASPCJB2) SUB-PROCESSOR ADDRESS	K0097500
0025A8	03E2			15234+	DC AL2(CLT-HASPCJB2) OFFSET TO VERB WITHIN GROUP	K0098000
0025AA	D3E3			15235+	DC CL2'LT'	K0102000
				15236	COMTBLN \$COMTAB N,HASPCDV1,REJECT=COMD REPEAT DEVICE ACTIVITY	K1703500
0025AC				15237+	COMTBLN DS 0F DEFINE SUB-PROCESSOR	K0096500
0025AC	02			15238+	DC AL1(0*16+COMD) FLAG BYTES	K0097000
0025AD	00536C			15239+	DC AL3(HASPCDV1) SUB-PROCESSOR ADDRESS	K0097500
0025B0	02EE			15240+	DC AL2(CN-HASPCDV1) OFFSET TO VERB WITHIN GROUP	K0098000
0025B2	D5FF			15241+	DC CL1'N',X'FF'	K0103000
				15242	COMTBLO \$COMTAB O7D,HASPCJB3,REJECT=COMJ OUTPUT BQES BY NAME	K1704000
0025B4				15243+	COMTBLO DS 0F DEFINE SUB-PROCESSOR	K0096500
0025B4	04			15244+	DC AL1(0*16+COMJ) FLAG BYTES	K0097000
0025B5	0047C6			15245+	DC AL3(HASPCJB3) SUB-PROCESSOR ADDRESS	K0097500
0025B8	0002			15246+	DC AL2(CO7D-HASPCJB3) OFFSET TO VERB WITHIN GROUP	K0098000
0025BA	D67D			15247+	DC CL1'O',X'7D'	K0109500
				15248	\$COMTAB OJ,HASPCJB4,REJECT=COMJ OUTPUT JOB'S HELD DS	K1704500
0025BC				15249+	DS 0F DEFINE SUB-PROCESSOR	K0096500
0025BC	04			15250+	DC AL1(0*16+COMJ) FLAG BYTES	K0097000
0025BD	004F50			15251+	DC AL3(HASPCJB4) SUB-PROCESSOR ADDRESS	K0097500
0025C0	0012			15252+	DC AL2(COJ-HASPCJB4) OFFSET TO VERB WITHIN GROUP	K0098000
0025C2	D6D1			15253+	DC CL2'OJ'	K0102000
				15254	\$COMTAB OQ,HASPCJ1A,REJECT=COMR+COMJ OUTPUT BY CLASS	R4 K1705000
0025C4				15255+	DS 0F DEFINE SUB-PROCESSOR	K0096500
0025C4	0C			15256+	DC AL1(0*16+COMR+COMJ) FLAG BYTES	K0097000
0025C5	0032CE			15257+	DC AL3(HASPCJ1A) SUB-PROCESSOR ADDRESS	K0097500
0025C8	0506			15258+	DC AL2(COQ-HASPCJ1A) OFFSET TO VERB WITHIN GROUP	K0098000
0025CA	D6D8			15259+	DC CL2'OQ'	K0102000
				15260	\$COMTAB OS,HASPCJB4,REJECT=COMJ OUTPUT STC'S HELD DS	K1705500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
0025CC				15261+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0025CC	04			15262+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
0025CD	004F50			15263+	DC AL3(HASPCJB4)	SUB-PROCESSOR ADDRESS	K0097500
0025D0	000A			15264+	DC AL2(COS-HASPCJB4)	OFFSET TO VERB WITHIN GROUP	K0098000
0025D2	D6E2			15265+	DC CL2'OS'		K0102000
				15266	\$COMTAB OT,HASPCJB4,REJECT=COMJ OUTPUT TSU'S HELD DS		K1706000
0025D4				15267+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0025D4	04			15268+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
0025D5	004F50			15269+	DC AL3(HASPCJB4)	SUB-PROCESSOR ADDRESS	K0097500
0025D8	0002			15270+	DC AL2(COT-HASPCJB4)	OFFSET TO VERB WITHIN GROUP	K0098000
0025DA	D6E3			15271+	DC CL2'OT'		K0102000
				15272	\$COMTAB P40,HASPCSY1,REJECT=COMR+COMS STOP SYSTEM		R4 K1706500
0025DC				15273+COMTBLP	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0025DC	09			15274+	DC AL1(0*16+COMR+COMS)	FLAG BYTES	K0097000
0025DD	0062A2			15275+	DC AL3(HASPCSY1)	SUB-PROCESSOR ADDRESS	K0097500
0025E0	038A			15276+	DC AL2(CP40-HASPCSY1)	OFFSET TO VERB WITHIN GROUP	K0098000
0025E2	D740			15277+	DC CL1'P',X'40'		K0109500
				15278	\$COMTAB P7D,HASPCJB3,REJECT=COMJ STOP JOB BY NAME		R4 K1707000
0025E4				15279+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0025E4	04			15280+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
0025E5	0047C6			15281+	DC AL3(HASPCJB3)	SUB-PROCESSOR ADDRESS	K0097500
0025E8	0002			15282+	DC AL2(CP7D-HASPCJB3)	OFFSET TO VERB WITHIN GROUP	K0098000
0025EA	D77D			15283+	DC CL1'P',X'7D'		K0109500
				15284	\$COMTAB PI,HASPCSY1,REJECT=COMR+COMS STOP INITIATOR		R4 K1707500
0025EC				15285+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0025EC	09			15286+	DC AL1(0*16+COMR+COMS)	FLAG BYTES	K0097000
0025ED	0062A2			15287+	DC AL3(HASPCSY1)	SUB-PROCESSOR ADDRESS	K0097500
0025F0	00A6			15288+	DC AL2(CPI-HASPCSY1)	OFFSET TO VERB WITHIN GROUP	K0098000
0025F2	D7C9			15289+	DC CL2'PI'		K0102000
				15290	\$COMTAB PJ,HASPCJB2,REJECT=COMJ STOP JOB		K1708000
0025F4				15291+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0025F4	04			15292+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
0025F5	0040F6			15293+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
0025F8	02AA			15294+	DC AL2(CPJ-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
0025FA	D7D1			15295+	DC CL2'PJ'		K0102000
				15296	\$COMTAB PQ,HASPCJ1A,REJECT=COMR+COMJ CANCEL BY OUTPUT CLASS		R4 K1708500
0025FC				15297+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
0025FC	0C			15298+	DC AL1(0*16+COMR+COMJ)	FLAG BYTES	K0097000
0025FD	0032CE			15299+	DC AL3(HASPCJ1A)	SUB-PROCESSOR ADDRESS	K0097500
002600	034C			15300+	DC AL2(CPQ-HASPCJ1A)	OFFSET TO VERB WITHIN GROUP	K0098000
002602	D7D8			15301+	DC CL2'PQ'		K0102000
				15302	\$COMTAB PS,HASPCJB2,REJECT=COMJ STOP STC(S)		K1709000
002604				15303+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
002604	04			15304+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
002605	0040F6			15305+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
002608	02AA			15306+	DC AL2(CPS-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
00260A	D7E2			15307+	DC CL2'PS'		K0102000
				15308	\$COMTAB PT,HASPCJB2,REJECT=COMJ STOP TSU(S)		K1709500
00260C				15309+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
00260C	04			15310+	DC AL1(0*16+COMJ)	FLAG BYTES	K0097000
00260D	0040F6			15311+	DC AL3(HASPCJB2)	SUB-PROCESSOR ADDRESS	K0097500
002610	02AA			15312+	DC AL2(CPT-HASPCJB2)	OFFSET TO VERB WITHIN GROUP	K0098000
002612	D7E3			15313+	DC CL2'PT'		K0102000
				15314	\$COMTAB P,HASPCDV1,REJECT=COMD STOP (DRAIN) DEVICE		K1710000
002614				15315+	DS 0F	DEFINE SUB-PROCESSOR	K0096500
002614	02			15316+	DC AL1(0*16+COMD)	FLAG BYTES	K0097000

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002615	00536C			15317+	DC AL3(HASPCDV1) SUB-PROCESSOR ADDRESS		K0097500
002618	036A			15318+	DC AL2(CP-HASPCDV1) OFFSET TO VERB WITHIN GROUP		K0098000
00261A	D7FF			15319+	DC CL1 'P',X'FF'		K0103000
				15320	COMTBLR \$COMTAB R,HASPCRM1,REJECT=COMJ ROUTE JOB OUTPUT		K1710500
00261C				15321+	COMTBLR DS 0F DEFINE SUB-PROCESSOR		K0096500
00261C	04			15322+	DC AL1(0*16+COMJ) FLAG BYTES		K0097000
00261D	007DAE			15323+	DC AL3(HASPCRM1) SUB-PROCESSOR ADDRESS		K0097500
002620	03BA			15324+	DC AL2(CR-HASPCRM1) OFFSET TO VERB WITHIN GROUP		K0098000
002622	D9FF			15325+	DC CL1 'R',X'FF'		K0103000
				15326	COMTBLS \$COMTAB S40,HASPCSY1,REJECT=COMR+COMS START SYSTEM	R4	K1711000
002624				15327+	COMTBLS DS 0F DEFINE SUB-PROCESSOR		K0096500
002624	09			15328+	DC AL1(0*16+COMR+COMS) FLAG BYTES		K0097000
002625	0062A2			15329+	DC AL3(HASPCSY1) SUB-PROCESSOR ADDRESS		K0097500
002628	03A0			15330+	DC AL2(CS40-HASPCSY1) OFFSET TO VERB WITHIN GROUP		K0098000
00262A	E240			15331+	DC CL1 'S',X'40'		K0109500
				15332	\$COMTAB SA,HASPCAOC,REJECT=COMR+COMS START ACES	R4	K1711500
00262C				15333+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00262C	09			15334+	DC AL1(0*16+COMR+COMS) FLAG BYTES		K0097000
00262D	0072C4			15335+	DC AL3(HASPCAOC) SUB-PROCESSOR ADDRESS		K0097500
002630	004A			15336+	DC AL2(CSA-HASPCAOC) OFFSET TO VERB WITHIN GROUP		K0098000
002632	E2C1			15337+	DC CL2 'SA'		K0102000
				15338	\$COMTAB SI,HASPCSY1,REJECT=COMR+COMS START INITIATOR	R4	K1712000
002634				15339+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002634	09			15340+	DC AL1(0*16+COMR+COMS) FLAG BYTES		K0097000
002635	0062A2			15341+	DC AL3(HASPCSY1) SUB-PROCESSOR ADDRESS		K0097500
002638	00AE			15342+	DC AL2(CSI-HASPCSY1) OFFSET TO VERB WITHIN GROUP		K0098000
00263A	E2C9			15343+	DC CL2 'SI'		K0102000
				15344	\$COMTAB S,HASPCDV1,REJECT=COMD START DEVICE		K1714000
00263C				15345+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00263C	02			15346+	DC AL1(0*16+COMD) FLAG BYTES		K0097000
00263D	00536C			15347+	DC AL3(HASPCDV1) SUB-PROCESSOR ADDRESS		K0097500
002640	03F2			15348+	DC AL2(CS-HASPCDV1) OFFSET TO VERB WITHIN GROUP		K0098000
002642	E2FF			15349+	DC CL1 'S',X'FF'		K0103000
				15350	COMTBLT \$COMTAB T7D,HASPCJB3,REJECT=COMR+COMJ SET JOB BY NAME	R4	K1714500
002644				15351+	COMTBLT DS 0F DEFINE SUB-PROCESSOR		K0096500
002644	0C			15352+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
002645	0047C6			15353+	DC AL3(HASPCJB3) SUB-PROCESSOR ADDRESS		K0097500
002648	0002			15354+	DC AL2(CT7D-HASPCJB3) OFFSET TO VERB WITHIN GROUP		K0098000
00264A	E37D			15355+	DC CL1 'T',X'7D'		K0109500
				15356	\$COMTAB TA,HASPCAOC,REJECT=COMR SET ACE	R4	K1715000
00264C				15357+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00264C	08			15358+	DC AL1(0*16+COMR) FLAG BYTES		K0097000
00264D	0072C4			15359+	DC AL3(HASPCAOC) SUB-PROCESSOR ADDRESS		K0097500
002650	006C			15360+	DC AL2(CTA-HASPCAOC) OFFSET TO VERB WITHIN GROUP		K0098000
002652	E3C1			15361+	DC CL2 'TA'		K0102000
				15362	\$COMTAB TC,HASPCSY3,REJECT=COMR SET CONSOLE LIST LEVEL	R4	K1715500
002654				15363+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002654	08			15364+	DC AL1(0*16+COMR) FLAG BYTES		K0097000
002655	006F0C			15365+	DC AL3(HASPCSY3) SUB-PROCESSOR ADDRESS		K0097500
002658	0002			15366+	DC AL2(CTC-HASPCSY3) OFFSET TO VERB WITHIN GROUP		K0098000
00265A	E3C3			15367+	DC CL2 'TC'		K0102000
				15368	\$COMTAB TI,HASPCSY1,REJECT=COMR+COMS SET INITIATOR	R4	K1716000
00265C				15369+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00265C	09			15370+	DC AL1(0*16+COMR+COMS) FLAG BYTES		K0097000
00265D	0062A2			15371+	DC AL3(HASPCSY1) SUB-PROCESSOR ADDRESS		K0097500
002660	0098			15372+	DC AL2(CTI-HASPCSY1) OFFSET TO VERB WITHIN GROUP		K0098000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
002662	E3C9			15373+	DC CL2'TI'		K0102000
				15374	\$COMTAB TJ,HASPCJ3A,REJECT=COMR+COMJ SET JOB NO. CLASS PRIO R4		K1716500
002664				15375+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002664	0C			15376+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
002665	004A96			15377+	DC AL3(HASPCJ3A) SUB-PROCESSOR ADDRESS		K0097500
002668	003C			15378+	DC AL2(CTJ-HASPCJ3A) OFFSET TO VERB WITHIN GROUP		K0098000
00266A	E3D1			15379+	DC CL2'TJ'		K0102000
				15380	\$COMTAB TM,HASPCSY3,REJECT=COMR+COMS SET MESSAGE ROUTING R4		K1717000
00266C				15381+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00266C	09			15382+	DC AL1(0*16+COMR+COMS) FLAG BYTES		K0097000
00266D	006F0C			15383+	DC AL3(HASPCSY3) SUB-PROCESSOR ADDRESS		K0097500
002670	0094			15384+	DC AL2(CTM-HASPCSY3) OFFSET TO VERB WITHIN GROUP		K0098000
002672	E3D4			15385+	DC CL2'TM'		K0102000
				15386	\$COMTAB TO,HASPCSY3,REJECT=COMR SET OS CONSOLE R4		K1719000
002674				15387+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002674	08			15388+	DC AL1(0*16+COMR) FLAG BYTES		K0097000
002675	006F0C			15389+	DC AL3(HASPCSY3) SUB-PROCESSOR ADDRESS		K0097500
002678	0286			15390+	DC AL2(CTO-HASPCSY3) OFFSET TO VERB WITHIN GROUP		K0098000
00267A	E3D6			15391+	DC CL2'TO'		K0102000
				15392	\$COMTAB TS,HASPCJ3A,REJECT=COMR+COMJ SET STC NO. R4		K1719500
00267C				15393+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00267C	0C			15394+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
00267D	004A96			15395+	DC AL3(HASPCJ3A) SUB-PROCESSOR ADDRESS		K0097500
002680	0002			15396+	DC AL2(CTS-HASPCJ3A) OFFSET TO VERB WITHIN GROUP		K0098000
002682	E3E2			15397+	DC CL2'TS'		K0102000
				15398	\$COMTAB TT,HASPCJ3A,REJECT=COMR+COMJ SET TSU NO. R4		K1720000
002684				15399+	DS 0F DEFINE SUB-PROCESSOR		K0096500
002684	0C			15400+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
002685	004A96			15401+	DC AL3(HASPCJ3A) SUB-PROCESSOR ADDRESS		K0097500
002688	002A			15402+	DC AL2(CTT-HASPCJ3A) OFFSET TO VERB WITHIN GROUP		K0098000
00268A	E3E3			15403+	DC CL2'TT'		K0102000
				15404	\$COMTAB T,HASPCDV1,REJECT=COMD SET DEVICE		K1720500
00268C				15405+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00268C	02			15406+	DC AL1(0*16+COMD) FLAG BYTES		K0097000
00268D	00536C			15407+	DC AL3(HASPCDV1) SUB-PROCESSOR ADDRESS		K0097500
002690	0524			15408+	DC AL2(CT-HASPCDV1) OFFSET TO VERB WITHIN GROUP		K0098000
002692	E3FF			15409+	DC CL1'T',X'FF'		K0103000
				15410	\$COMTAB U7D,BNSWCMD,REJECT=COMR+COMJ \$U'JOBNAME' * BNSW		K1720600
002694				15411+COMTBLU	DS 0F DEFINE SUB-PROCESSOR		K0096500
002694	0C			15412+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
002695	003B8C			15413+	DC AL3(BNSWCMD) SUB-PROCESSOR ADDRESS		K0097500
002698	0238			15414+	DC AL2(CU7D-BNSWCMD) OFFSET TO VERB WITHIN GROUP		K0098000
00269A	E47D			15415+	DC CL1'U',X'7D'		K0109500
				15416	\$COMTAB UJ,BNSWCMD,REJECT=COMR+COMJ \$UJ * CHANGE * BNSW		K1720602
00269C				15417+	DS 0F DEFINE SUB-PROCESSOR		K0096500
00269C	0C			15418+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
00269D	003B8C			15419+	DC AL3(BNSWCMD) SUB-PROCESSOR ADDRESS		K0097500
0026A0	02E2			15420+	DC AL2(CUJ-BNSWCMD) OFFSET TO VERB WITHIN GROUP		K0098000
0026A2	E4D1			15421+	DC CL2'UJ'		K0102000
				15422	\$COMTAB US,BNSWCMD,REJECT=COMR+COMJ \$US * SYSOUT * BNSW		K1720604
0026A4				15423+	DS 0F DEFINE SUB-PROCESSOR		K0096500
0026A4	0C			15424+	DC AL1(0*16+COMR+COMJ) FLAG BYTES		K0097000
0026A5	003B8C			15425+	DC AL3(BNSWCMD) SUB-PROCESSOR ADDRESS		K0097500
0026A8	02D2			15426+	DC AL2(CUS-BNSWCMD) OFFSET TO VERB WITHIN GROUP		K0098000
0026AA	E4E2			15427+	DC CL2'US'		K0102000
				15428	\$COMTAB UT,BNSWCMD,REJECT=COMR+COMJ \$UT * CLASS. * BNSW		K1720606

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0026AC				15429+	DS 0F	DEFINE SUB-PROCESSOR K0096500
0026AC	0C			15430+	DC AL1(0*16+COMR+COMJ)	FLAG BYTES K0097000
0026AD	003B8C			15431+	DC AL3(BNSWCMD)	SUB-PROCESSOR ADDRESS K0097500
0026B0	02DA			15432+	DC AL2(CUT-BNSWCMD)	OFFSET TO VERB WITHIN GROUP K0098000
0026B2	E4E3			15433+	DC CL2'UT'	K0102000
				15434	*****	BNSW K1720608
				15435	COMTBLV \$COMTAB VS,HASPCSY1,REJECT=COMR+COMS SEND COMMAND TO VS	R4 K1721000
0026B4				15436+	COMTBLV DS 0F	DEFINE SUB-PROCESSOR K0096500
0026B4	09			15437+	DC AL1(0*16+COMR+COMS)	FLAG BYTES K0097000
0026B5	0062A2			15438+	DC AL3(HASPCSY1)	SUB-PROCESSOR ADDRESS K0097500
0026B8	0508			15439+	DC AL2(CVS-HASPCSY1)	OFFSET TO VERB WITHIN GROUP K0098000
0026BA	E5E2			15440+	DC CL2'VS'	K0102000
				15441	COMTBLZ \$COMTAB ZA,HASPCAOC,REJECT=COMR+COMS HALT ACES	R4 K1721500
0026BC				15442+	COMTBLZ DS 0F	DEFINE SUB-PROCESSOR K0096500
0026BC	09			15443+	DC AL1(0*16+COMR+COMS)	FLAG BYTES K0097000
0026BD	0072C4			15444+	DC AL3(HASPCAOC)	SUB-PROCESSOR ADDRESS K0097500
0026C0	045C			15445+	DC AL2(CZA-HASPCAOC)	OFFSET TO VERB WITHIN GROUP K0098000
0026C2	E9C1			15446+	DC CL2'ZA'	K0102000
				15447	\$COMTAB ZI,HASPCSY1,REJECT=COMR+COMS HALT INITIATOR	R4 K1722000
0026C4				15448+	DS 0F	DEFINE SUB-PROCESSOR K0096500
0026C4	09			15449+	DC AL1(0*16+COMR+COMS)	FLAG BYTES K0097000
0026C5	0062A2			15450+	DC AL3(HASPCSY1)	SUB-PROCESSOR ADDRESS K0097500
0026C8	00B6			15451+	DC AL2(CZI-HASPCSY1)	OFFSET TO VERB WITHIN GROUP K0098000
0026CA	E9C9			15452+	DC CL2'ZI'	K0102000
				15453	COMTBLZZ \$COMTAB Z,HASPCDV1,REJECT=COMD HALT DEVICE	K1722500
0026CC				15454+	COMTBLZZ DS 0F	DEFINE SUB-PROCESSOR K0096500
0026CC	02			15455+	DC AL1(0*16+COMD)	FLAG BYTES K0097000
0026CD	00536C			15456+	DC AL3(HASPCDV1)	SUB-PROCESSOR ADDRESS K0097500
0026D0	0E5E			15457+	DC AL2(CZ-HASPCDV1)	OFFSET TO VERB WITHIN GROUP K0098000
0026D2	E9FF			15458+	DC CL1'Z',X'FF'	K0103000
		026CC		15459	COMTABE EQU COMTBLZZ	K1723000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0026D4				15461	COMFASTR DS 0F	FAST LOOK-UP TABLE FOR HASPCOMM K1724000
0026D4	C100245C			15462	DC C'A',AL3(COMTBLA)	ENTRY FOR 'A' VERBS K1724500
0026D8	C200248C			15463	DC C'B',AL3(COMTBLB)	ENTRY FOR 'B' VERBS K1725000
0026DC	C3002494			15464	DC C'C',AL3(COMTBLC)	ENTRY FOR 'C' VERBS K1725500
0026E0	C40024C4			15465	DC C'D',AL3(COMTBLD)	ENTRY FOR 'D' VERBS K1726000
0026E4	C500252C			15466	DC C'E',AL3(COMTBLE)	ENTRY FOR 'E' VERBS K1726500
0026E8	C600254C			15467	DC C'F',AL3(COMTBLF)	ENTRY FOR 'F' VERBS K1727000
0026EC	C8002554			15468	DC C'H',AL3(COMTBLH)	ENTRY FOR 'H' VERBS K1729000
0026F0	C9002584			15469	DC C'I',AL3(COMTBLI)	ENTRY FOR 'I' VERBS K1729500
0026F4	D300258C			15470	DC C'L',AL3(COMTBLL)	ENTRY FOR 'L' VERBS K1730000
0026F8	D50025AC			15471	DC C'N',AL3(COMTBLN)	ENTRY FOR 'N' VERBS K1730500
0026FC	D60025B4			15472	DC C'O',AL3(COMTBLO)	ENTRY FOR 'O' VERBS K1731000
002700	D70025DC			15473	DC C'P',AL3(COMTBLP)	ENTRY FOR 'P' VERBS K1731500
002704	D900261C			15474	DC C'R',AL3(COMTBLR)	ENTRY FOR 'R' VERBS K1732000
002708	E2002624			15475	DC C'S',AL3(COMTBLS)	ENTRY FOR 'S' VERBS K1732500
00270C	E3002644			15476	DC C'T',AL3(COMTBLT)	ENTRY FOR 'T' VERBS K1733000
				15477	***** ENTRY FOR 'U' COMMANDS *****	***** BNSW K1733250
002710	E4002694			15478	DC C'U',AL3(COMTBLU)	\$U - CHANGE OUTPUT CLASS * BNSW K1733252
				15479	*****	***** BNSW K1733254
002714	E50026B4			15480	DC C'V',AL3(COMTBLV)	ENTRY FOR 'V' VERBS K1733500
002718	E90026BC			15481	COMFSTND DC C'Z',AL3(COMTBLZ)	ENTRY FOR 'Z' VERBS K1734000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				15483 *		K1735000
				15484 *	SYMBOLS TO DEFINE COMMAND TABLE ELEMENT FIELDS	K1735500
				15485 *		K1736000
		00008	15486	COMTEL EQU 8	LENGTH OF EACH COMTAB ELEMENT	K1736500
		00004	15487	COMTOFF EQU COMTEL-4	LOCATION OF ENTRY OFFSET	K1737000
		00000	15488	COMTFL EQU COMTEL-8	LOCATION OF FLAGS WITHIN ELEMENT	K1737500
		00006	15489	COMTVB EQU COMTEL-2	LOCATION OF VERB WITHIN GROUP	K1738000
		00008	15490	COMR EQU CMBFLAGR	LEVEL OF RESTRICTION FOR REMOTES R4	K1738500
		00001	15491	COMS EQU DCTREJSY	REJECT UNLESS SYSTEM AUTHORIZATION	K1739000
		00002	15492	COMD EQU DCTREJDV	REJECT UNLESS DEVICE AUTHORIZATION	K1739500
		00004	15493	COMJ EQU DCTREJJB	REJECT UNLESS JOB AUTHORIZATION	K1740000
		00007	15494	COMJDS EQU COMJ+COMD+COMS	COMBINATION	K1740500
002720			15496	LTORG ,		K1741500
002720	00000086		15497	=A(COMVC-COMVCOFF)		
002724	0000000F		15498	=A(X'F')		
002728	D37E		15499	=C'L= '		
00272A	0004		15500	=H'4'		
00272C	000C		15501	=H'12'		
00272E	C5E2E8E26BD9C5E2		15502	=C'ESYS,RESET= '		
002739	D7D1C5E2F2		15503	=C'PJES2'		
00273E	C3D6D4D4C1D5C440		15504	=C'COMMAND REJECTED -- JES2 SHUTDOWN IN PROGRESS'		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
15506	*				*****	K1742500
15507	*				*	K1743000
15508	*				COMMAND SUB-PROCESSOR CONVENTIONS	K1743500
15509	*				*	K1744000
15510	*				CONTENTS OF REGISTERS UPON ENTRY TO EACH COMMAND SUB-PROCESSOR	K1744500
15511	*				*	K1745000
15512	*				R0 = UNPREDICTABLE	K1745500
15513	*				R1 = SUB-PROCESSOR ENTRY POINT	K1746000
15514	*				WA = UNPREDICTABLE	K1746500
15515	*				WB = UNPREDICTABLE	K1747000
15516	*				WC = UNPREDICTABLE	K1747500
15517	*				WD = FIRST OPERAND POINTER	K1748000
15518	*				WE = COUNT OF 4	K1748500
15519	*				WF = LAST OPERAND POINTER (SET FOR BXLE WD,WE,...)	K1749000
15520	*				WG = BASE FOR COMMAND SUB-PROCESSOR	K1749500
15521	*				BASE1 = HCTDSECT	K1750000
15522	*				BASE2 = BEGINNING OF MAIN COMMAND PROCESSOR	K1750500
15523	*				SAVE = PCE OF COMMAND PROCESSOR	K1751000
15524	*				LINK = UNPREDICTABLE	K1751500
15525	*				R15 = UNPREDICTABLE	K1752000
15526	*				*	K1752500
15527	*				EXAMPLE EDIT OF COMMAND TEXT BEFORE ENTRY TO SUB-COMMAND PROCESSOR	K1753000
15528	*				*	K1753500
15529	*				ORIGIONAL IN \$WTO BUFFER (S OVER CHARACTER = LOWER CASE)	K1754000
15530	*				*	K1754500
15531	*				S S S S S S S S	K1755000
15532	*				\$V A B C, ' A B,C ' ' D ', D ' ' E	K1755500
15533	*				*	K1756000
15534	*				FORM PASSED TO COMMAND SUB-PROCESSOR	K1756500
15535	*				*	K1757000
15536	*				*	K1757500
15537	*				\$VABC, ' A B,C ' ' D ',D'E	K1758000
15538	*				1 2 3 4	K1758500
15539	*				*	K1759000
15540	*				\$ IS LOCATED AT COMMAND	K1759500
15541	*				*	K1760000
15542	*				V IS SINGLE CHARACTER FORM OF VERB	K1760500
15543	*				*	K1761000
15544	*				WD POINTS TO FIRST OF OPERAND POINTER TABLE WHICH, IN THIS	K1761500
15545	*				EXAMPLE, CONTAINS FOUR WORDS OF ADDRESSES WHICH IN TURN	K1762000
15546	*				LOCATES THE BEGINNING OF EACH OPERAND (INCLUDING A NULL	K1762500
15547	*				END OPERAND). THESE LOCATIONS ARE DENOTED BY REFERANCE	K1763000
15548	*				POINTS 1, 2, 3, AND 4 RESPECTIVELY. USING BXLE WD,WE,...	K1763500
15549	*				INSTRUCTION WILL FALL THROUGH WITH WD POINTING TO COMNULOP	K1764000
15550	*				*	K1764500
15551	*				*****	K1765000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22	
				15553	HASPCJB1 \$COMGRUP AA,AQ,DA, DN,DQ,HA,HQ JOB QUEUE COMMANDS	@OZ29819	K1766000	
00276C				15554+	HASPCJB1 DS 0H		K0088500	
		0276C		15555+	USING *,BASE3	ADDRESSABILITY	K0089000	
00276C	07F1			15556+	BR R1	GO TO SUB-PROCESSOR SELECTED	K0091000	
				15557	*****		K1766500	
				15558	*		* K1767000	
				15559	* \$A A -- RELEASE ALL JOBS IN JOB QUEUE HELD BY \$H A		* K1767500	
				15560	* \$H A -- HOLD ALL JOB(S) IN THE JOB QUEUE		* K1768000	
				15561	*		* K1768500	
				15562	* OPERANDS		* K1769000	
				15563	* SID...SID = JOB(S) BELONGING TO INDICATED SYSTEMS ARE TO		* K1769500	
				15564	* BE HELD/RELEASED		* K1770000	
				15565	* ALL = ALL JOB(S) ARE TO HELD/RELEASED		* K1770500	
				15566	* NO OPERAND ONLY JOBS WITH AFFINITY TO ENETRING SYSTEM ARE		* K1771000	
				15567	* TO BE HELD/RELEASED		* K1771500	
				15568	*		* K1772000	
				15569	*		* K1772500	
				15570	*****		K1773000	
00276E				15571	CAA DS 0H	RELEASE ALL JOBS IN QUEUE	K1773500	
00276E				15572	CHA DS 0H	HOLD ALL JOBS IN THE QUEUE	K1774000	
00276E	9200	D1D8	001D8	15573	MVI COMNULOP,0	SET NO SID AFFINITY	K1774500	
002772	8656	8046	027B2	15574	CAASCAN BXH WD,WE,CAAEND	SCAN FOR SID OPERNADS	K1775000	
002776	5810	5000	00000	15575	L R1,0(,WD)	POINT TO 1ST OPERAND	K1775500	
00277A	D502	1000	8B32	00000	0329E 15576	CLC 0(3,R1),=C'ALL'	CHECK FOR WHOLE QUEUE OPERATION	K1776000
002780	4770	8022	0278E	15577	BNE *+14	NO--LOOK FOR SPECIFIC SID	K1776500	
002784	D200	D1D8	8B35	001D8	032A1 15578	MVC COMNULOP(L'QUESYSAF),=ALL(QUESYSAF) YES FLAG 'ALL'	K1777000	
00278A	47F0	8046	027B2	15579	B CAAEND	EXIT OPERAND SCAN LOOP	K1777500	
00278E	58E0	B1DC	001DC	15580	L R14,\$QSE1	NO -- POINT TO ALL QSES	R4 K1778000	
				15581	*	THIS CARD DELETED BY APAR @OZ27300	K1778500	
			00000	15582	USING QSEDECT,R14	ADDRESSABILITY	K1779000	
				15583	*	THIS CARD DELETED BY APAR @OZ27300	K1779500	
002792	D503	E008	1000	00008	00000 15584	CAASILOP CLC QSESID,0(R1)	DOES SID MATCH OPERAND @OZ27300	K1780000
002798	4780	8040	027AC	15585	BE CAASIFND	YES--FLAG SID FOUND	K1780500	
00279C	9101	E012	00012	15586	TM QSEFLAGS,QSELAST	NO--SCAN ALL SID'S	K1781000	
0027A0	41E0	E014	00014	15587	LA R14,QSELEN(,R14)	BUMP TO NEXT QSE	@OZ27300 K1781100	
0027A4	4780	8026	02792	15588	BZ CAASILOP	BR IF NOT LAST QSE	R4 K1781500	
				15589	\$CFINVO OPERAND=(R1)	IF NOT FOUND, INVALID OPRAND	R41 K1782000	
0027A8	47F0	C7A6	007A6	15590+	B COFINVO	REPLY INVALID OPERAND	K0636500	
0027AC				15591	CAASIFND DS 0H	SID MATCHES OPERAND	K1782500	
0027AC	D200	D1D8	E00D	001D8	0000D 15592	MVC COMNULOP(L'QSESIAFF),QSESIAFF SET AFFINITY FLAG	K1783000	
				15593	DROP R14	DROP QSE ADDRESSABILITY	K1783500	
0027B2				15594	CAAEND DS 0H	END OF OPERAND SCAN	K1784000	
0027B2	9500	D1D8	001D8	15595	CLI COMNULOP,0	TEST FOR ANY SID'S FOUND	K1784500	
0027B6	4770	8054	027C0	15596	BNE CAAOPXIT	YES--DON'T SET DEFAULT AFF FLAG	K1785000	
0027BA	D200	D1D8	B426	001D8	00426 15597	MVC COMNULOP(L'\$SIDAFF),\$SIDAFF NO--SET DEFAULT AFF FLAG	K1785500	
0027C0				15598	CAAOPXIT DS 0H	EXIT OPERAND FUNCTION	K1786000	
				15600	\$QSUSE ,	ENQUEUE ON SHARED RESOURCE	K1787000	
0027C0	05F0			15601+	BALR R15,0	SET RETURN ADDR FROM \$QSUSE	R4 GM014000	
0027C2	9180	B427	00427	15602+	TM \$STATUS,\$QSONDA	MAY QUEUES BE USED...	@OZ27300 GM016000	
0027C6	4770	B068	00068	15603+	BNZ \$QSUSES	BR TO \$QSUSE ROUTINE IF NO	R4 GM024000	
				15605	\$CFJSCAN PROCESS=CAAPRO,EMPTY=CAANONE,NEXT=CAANXT,		CK1788000	
					IGNORE=CAAIGN	SCAN JOB QUEUE	K1788500	
				15606+	*****		K1045000	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				15607+*	SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				15608+*****	*****	K1046000
0027CA	9200 D044	00044		15609+	MVI PCEBASE2,0	SET NO JOB(S) FOUND INDICATOR R4 K1048000
0027CE	41F0 005E	0005E		15610+	LA R15,\$JQTYPES*2	NO. OF JOB QUEUES (TIMES 2) @OZ29819 K1048600
0027D2	40F0 D08A	0008A		15611+CJS0375A	STH R15,COMJQHDS	SAVE JOB QUEUE HEADER INDEX R4 K1049500
0027D6	411F B54E	0054E		15612+	LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1050000
0027DA	47F0 8076	027E2		15613+	B CJS0375B	BR TO BEGIN QUEUE SCAN R4 K1052500
0027DE	9280 D044	00044		15614+CAANXT	MVI PCEBASE2,128	SET JOB FOUND INDICATOR R4 K1053000
0027E2	58C0 D044	00044		15615+CJS0375B	L BASE2,PCEBASE2	SET JOB FOUND FLAG IN REGISTER R4 K1053500
0027E6	4810 1006	00006		15616+CAAIGN	LH R1,JQECHAIN	GET OFFSET OF NEXT JOE R4 K1054000
0027EA	5410 8AC4	03230		15617+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
0027EE	4780 8092	027FE		15618+	BZ CJS0375C	BR IF END OF QUEUE R4 K1056500
0027F2	8910 0002	00002		15619+	SLL R1,2	GET TRUE R4 K1057000
0027F6	5E10 B1C0	001C0		15620+	AL R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
0027FA	47F0 80DA	02846		15621+	B CAAPRO	AND ENTER PROCESS ROUTINE R4 K1058000
0027FE	48F0 D08A	0008A		15622+CJS0375C	LH R15,COMJQHDS	GET CURRENT JOB QUEUE HDR INDEX R4 K1059000
002802	06F0			15623+	BCTR R15,0	REDUCE OFFSET BY 1 R4 K1059500
002804	46F0 8066	027D2		15624+	BCT R15,CJS0375A	BR IF ANOTHER JOB QUEUE R4 K1061500
002808	12CC			15625+	LTR BASE2,BASE2	TEST FOR ANY JOB(S) FOUND R4 K1062500
00280A	4720 80B2	0281E		15626+	BP CAANONE	BR IF NO R4 K1063000
				15627	\$POST \$HASPECF,(JOB,JOT)	POST FOR JOB AND JOT K1795000
				15628+*	THIS CARD DELETED BY APAR @OZ27300	FX120000
00280E	945F B4B1	004B1		15629+	NI \$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT	RESET EVENTS FX152000
002812	9684 B220	00220		15630	OI \$AQSE,QSEPJOB+QSEPJOT	CAUSE X SYSTEM POST(S) K1795500
				15631	\$CRET MSG=OK	AND RETURN K1796000
				15632+	DS 0H	Z0006000
002816	41F0 0004	00004		15633+	LA R15,CORTOK	RETURN AND ISSUE OK MESSAGE K0136000
00281A	47F0 C1AC	001AC		15634+	B CORET	RETURN K0137500
00281E				15635 CAANONE	DS 0H	NO JOBS FOUND K1796500
00281E	95C8 D0B7	000B7		15636	CLI COMVERB,C'H'	TEST FOR HOLD OPERATION R4 K1797000
002822	D20B D0B6 8AC8	000B6	03234	15637	MVC COMMAND(12),=C'NO JOBS HELD'	ASSUME TXT FOR NONE HELD R4 K1797500
002828	4770 80C8	02834		15638	BNE CAAREL	NO--RELEASE OPERATION K1798000
00282C	4100 000C	0000C		15639	LA R0,12	SET DEFAULT MESSAGE LENGTH K1798500
002830	47F0 80D2	0283E		15640	B CHAAMSG	SEND DIAGNOSTIC K1799000
002834				15641 CAAREL	DS 0H	RELEASE OPERATION K1799500
002834	D207 D0BE 8ABC	000BE	03228	15642	MVC COMMAND+8(8),=C'RELEASED'	SET 'RELEASED' K1800000
00283A	4100 0010	00010		15643	LA R0,16	SET MESSAGE LENGTH K1800500
00283E				15644 CHAAMSG	DS 0H	SEND DIAGNOSTIC K1801000
				15645	\$CRET L=(R0)	DITTO K1801500
00283E				15646+	DS 0H	Z0006000
00283E	41F0 0008	00008		15647+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
002842	47F0 C1AC	001AC		15648+	B CORET	RETURN K0137500
002846				15649 CAAPRO	DS 0H	JOB--FOUND EXAMINE SUCH K1802000
002846	43F0 D1D8	001D8		15650	IC R15,COMMULOP	GET SYS AFFINITY BITS K1802500
00284A	44F0 8112	0287E		15651	EX R15,CHATEST	TEST FOR DESIRED AFFINITY K1803000
00284E	4780 807A	027E6		15652	BZ CAAIGN	NO--IGNORE THIS ENTRY K1803500
002852	95C1 D0B7	000B7		15653	CLI COMVERB,C'A'	IS THIS A RELEASE OPERATION K1804000
002856	4780 80F6	02862		15654	BE CARREL	YES--TEST FOR SAME K1804500
00285A	9680 1004	00004		15655	OI JQEFLAGS,QUEHOLDA	NO--HOLD JOB WITH 'ALL' OPERAND K1805000
00285E	47F0 810A	02876		15656	B CAACKPT	AND CHECKPOINT CHANGED JOB K1805500
002862				15657 CARREL	DS 0H	RELEASE JOB K1806000
002862	9180 1004	00004		15658	TM JQEFLAGS,QUEHOLDA	IS JOB HELD BY 'ALL' K1806500
002866	4780 807A	027E6		15659	BZ CAAIGN	NO--IGNORE IT K1807000
00286A	9140 1004	00004		15660	TM JQEFLAGS,QUEHOLD1	IS JOB HELD BY \$HJ COMMAND K1807500
00286E	4710 807A	027E6		15661	BO CAAIGN	YES--IGNORE THIS ONE K1808000
002872	947F 1004	00004		15662	NI JQEFLAGS,255-QUEHOLDA	ELSE RESET HOLD 'ALL' BIT K1808500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
002876				15663	CAACKPT	DS 0H	CHECKPOINT CHANGED ELEMENT K1809000
				15664		\$QCKPT (R1)	DO IT K1809500
002876	45E0 B05C	0005C		15665+		BAL LINK,\$QCKPT	LINK TO CONTROL SERVICE PROGRAM GB010000
00287A	47F0 8072	027DE		15666		B CAANXT	GET NEXT JOB K1810000
00287E	9100 1005	00005		15667	CHATEST	TM JQEFLAG2,*-*	**** EXECUTE ONLY **** K1810500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				15669	*****	K1811500
				15670	*	* K1812000
				15671	* \$A Q,CLASSES -- RELEASE EXECUTION QUEUE	* K1812500
				15672	*	* K1813000
				15673	*****	K1813500
002882				15674	CAQ DS 0H	K1814000
				15675	*****	K1814500
				15676	*	* K1815000
				15677	* \$H Q,CLASSES -- HOLD EXECUTION QUEUE	* K1815500
				15678	*	* K1816000
				15679	*****	K1816500
				15680	CHQ NULL RTN TO 'HOLD', 'RELEASE' A CLAS	K1817000
002882				15681	+CHQ DS 0H	Z0006000
002882	5820 B25C	0025C		15682	L WA,\$CATABLE POINT TO THE HEAD OF THE CAT	K1817500
002886	1832			15683	LR WB,WA SAVE THE POINTER FOR LATER USE	K1818000
002888	8756 8134	028A0		15684	BXLE WD,WE,CHQLIST CHECK FOR CLASS LIST SPECIFIED	K1818500
00288C	4120 2020	00020		15685	LA WA,CATEND-CATDSECT(,WA) POINT TO 1ST CLASS	K1819000
002890	4100 0039	00039		15686	LA R0,C'9'-C'A'+1 SET NUMBER OF CLASSES TO SCAN	K1819500
002894	45E0 8184	028F0		15687	CHQL BAL LINK,CHQSET SET 'HOLD' OR 'RELEASE'	K1820000
002898	4120 2020	00020		15688	LA WA,CATEND-CATDSECT(,WA) POINT TO NEXT CAT ELEM	K1820500
00289C	47F0 8128	02894		15689	B CHQL LOOP THROUGH CAT(HEAD TO TAIL)	K1821000
				15691	CHQLIST NULL COME HERE TO HANDLE LIST	K1822000
0028A0				15692	+CHQLIST DS 0H	Z0006000
0028A0	5810 5000	00000		15693	L R1,0(,WD) POINT TO BEGINNING OF OPERAND	K1822500
0028A4	58F0 5004	00004		15694	L R15,4(,WD) POINT TO END OF OPERAND	K1823000
0028A8	06F0			15695	BCTR R15,0 REDUCE BY	K1823500
0028AA	06F0			15696	BCTR R15,0 TWO FOR MACHINE LENGTH	K1824000
0028AC	1BF1			15697	SR R15,R1 COMPUTE OPERAND MACHINE LENGTH	K1824500
0028AE	4740 81AE	0291A		15698	BM CHQINVO IF NEGATIVE, ERROR	K1825000
0028B2	1801			15699	LR R0,R1 SAVE R1 OVER 'TRT'	K1825500
0028B4	5820 8AD4	03240		15700	L WA,=A(CVALIDTB) POINT TO TEST TABLE	R4 K1826000
0028B8	44F0 817E	028EA		15701	EX R15,CHQTEST TEST CLASS STRING	K1826500
0028BC	1810			15702	LR R1,R0 RESTORE R1	K1827000
0028BE	4770 81AE	0291A		15703	BNZ CHQINVO INVALID CHARACTERS ERROR	K1827500
0028C2	4100 F001	00001		15704	LA R0,1(,R15) GET LENGTH OF STRING AGAIN	K1828000
0028C6	1F22			15705	CHQLL SLR WA,WA CLEAR WORK REGISTER	K1828500
0028C8	4320 1000	00000		15706	IC WA,0(,R1) INSERT CLASS INTO WORK	K1829000
0028CC	5F20 8AD8	03244		15707	CHQC SL WA,=A(X'CO')	K1829500
0028D0	8920 0005	00005		15708	SLL WA,5 FIND CARDINAL PLACE IN CAT	K1830000
0028D4	1E23			15709	ALR WA,WB ADD \$CATABLE BASE	K1830500
0028D6	91E0 2000	00000		15710	TM CATJOBFL-CATDSECT(WA),CATVALID TEST FOR VALID CLASS	K1831000
0028DA	4780 81AE	0291A		15711	BZ CHQINVO INVALID CLASS--ERROR	K1831500
0028DE	45E0 8184	028F0		15712	BAL LINK,CHQSET GO SET 'HOLD' OR 'RELEASE'	K1832000
0028E2	4110 1001	00001		15713	LA R1,1(,R1) POINT TO NEXT CLASS IN STRING	K1832500
0028E6	47F0 815A	028C6		15714	B CHQLL LOOP THROUGH ENTIRE OPERAND	K1833000
0028EA	DD00 1000 2000 00000 00000			15715	CHQTEST TRT 0(*-*,R1),0(WA) *** EXECUTE ONLY ***	R4 K1833500
				15716	CHQSET NULL COME HERE TO SET THE 'CAT'	K1834000
0028F0				15717	+CHQSET DS 0H	Z0006000
0028F0	95C8 D0B7	000B7		15718	CLI COMVERB,C'H' IS THIS A HOLD OPERATION	K1834500
0028F4	4780 81A6	02912		15719	BE CHQH YES-HOLD CAT(NOT BY TAIL)	K1835000
0028F8	94FE 2001	00001		15720	NI CATJBOPT-CATDSECT(WA),255-CATQHELD FREE THE CAT	K1835500
				15721	\$POST \$HASPECF,JOB POST INITS' IF WAITING	K1836000
0028FC	94DF B4B1	004B1		15722	+ NI \$HASPECF+\$EWBJOB,FF-\$EWFJOB RESET EVENT @OZ27300	FX170000
002900	060E			15723	CHQA BCTR R0,LINK RETURN IF CLASSES NOT EXHAUSTED	K1836500
				15724	* CLASSES EXHAUSTED--GO BACK	K1837000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				15725 *	AND RESET TSU AND STC CLASSES	K1837500
				15726 *	THAT WERE SET BY ALL TYPE	K1838000
002902	94FE 3201	00201		15728	NI CATJBOPT-CATDSECT+(CATSTCCL-X'C0')*(CATEND-CATDSECT)(WB)CK1839000	
					,255-CATQHELD RESET 'STC'	K1839500
002906	94FE 3401	00401		15729	NI CATJBOPT-CATDSECT+(CATTSUCL-X'C0')*(CATEND-CATDSECT)(WB)CK1840000	
					,255-CATQHELD RESET 'TSU'	K1840500
				15730	\$CRET MSG=OK RETURN WITH 'OK' MSG	K1841000
00290A				15731+	DS 0H	Z0006000
00290A	41F0 0004	00004		15732+	LA R15,CORTOK RETURN AND ISSUE OK MESSAGE	K0136000
00290E	47F0 C1AC	001AC		15733+	B CORET RETURN	K0137500
002912	9601 2001	00001		15735 CHQH	OI CATJBOPT-CATDSECT(WA),CATQHELD SET 'HOLD' BIT 'ON'	K1842000
002916	47F0 8194	02900		15736	B CHQA RETURN TO MAJOR LOOP	K1842500
				15738 CHQINVO	\$CFINVO OPERAND=(R1) INVALID OPERAND--ERROR EXIT	K1843500
00291A				15739+CHQINVO	DS 0H	Z0006000
00291A	47F0 C7A6	007A6		15740+	B COFINVO REPLY INVALID OPERAND	K0636500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				15742	*****	K1844500
				15743	*	* K1845000
				15744	* \$D A,SID...SID, OR ALL/XEQ/DEV/JOB/STC/TSU	* K1845500
				15745	* DISPLAY ACTIVE JOB(S)	* K1846000
				15746	*	* K1846500
				15747	* SID...SID = ACTIVE JOBS ON THE SPECIFIED SYSTEM(S)	* K1847000
				15748	* ALL = ACTIVE JOB(S) ON ALL SYSTEM(S)	* K1847500
				15749	* XEQ = DISPLAY JOBS IN EXECUTION	* K1848000
				15750	* DEV = DISPLAY JOBS ON DEVICES	* K1848500
				15751	* JOB = DISPLAY NORMAL JOBS	* K1849000
				15752	* STC = DISPLAY SYSTEM TASK CONTROL JOBS	* K1849500
				15753	* TSU = DISPLAY TIME SHARING USER JOBS	* K1850000
				15754	*	* K1850500
				15755	*****	K1851000
00291E				15756	CDA DS 0H	K1851500
00291E	9200 D188	00188		15757	MVI COMPNTER+COFOPT-COFOPT,0 ZERO OPTION FLAGS	R4 K1852000
002922	9200 D189	00189		15758	MVI COMPNTER+COFAFF-COFOPT,0 ZERO AFFINITY FLAGS	R4 K1852500
002926	8756 8308	02A74		15759	CDAC BXLE WD,WE,CDAFIL FILL OUT OPTIONS IF MORE OPERANDS	K1853000
00292A	D201 D117 D188	00117 00188		15760	MVC COFOPT(L'COFOPT+L'COFAFF),COMPNTER SET OPTIONS	R4 K1853500
002930	9500 D117	00117		15761	CLI COFOPT,0 ANYTHING SPECIFIED	R4 K1854000
002934	4770 81D0	0293C		15762	BNZ SKIP50 SKIP IF YES	R4 K1854500
002938	9219 D117	00117		15763	MVI COFOPT,COFD+COFX+COFN SET NORMAL JOB AS DEFAULT	R4 K1855000
00293C	9118 D117	00117		15764	SKIP50 TM COFOPT,COFD+COFX XEQ OR DEV	R4 K1855500
002940	4770 81DC	02948		15765	BNZ SKIP60 TEST TO FORCE JOB TYPE	R4 K1856000
002944	9618 D117	00117		15766	OI COFOPT,COFD+COFX FORCE BOTH	R4 K1856500
002948	9107 D117	00117		15767	SKIP60 TM COFOPT,COFJ JOB STC TSU	R4 K1857000
00294C	4770 81E8	02954		15768	BNZ CDAFFSET SET AFFINITIES IF NOT	R4 K1857500
002950	9607 D117	00117		15769	OI COFOPT,COFJ FORCE JOB STC TSU	R4 K1858000
002954				15770	CDAFFSET DS 0H TEST FOR AFFINITY SETTING	K1858500
002954	9500 D118	00118		15771	CLI COFAFF,0 TEST FOR ANY AFFINITY OPERANDS	K1859000
002958	4770 81F6	02962		15772	BNE *+10 YES--SKIP SETTING OF DEFAULT	K1859500
00295C	D200 D118 B426	00118 00426		15773	MVC COFAFF,\$SIDAFF SET DEFAULT ACTIVE SYSTEM	K1860000
002962	4110 D18B	0018B		15774	LA R1,CDAQLIST-1 QUEUE LIST - 1 @OZ29819	K1860050
002966	5010 D188	00188		15775	ST R1,CDAQTYPE SAVE FOR QUEUE SCAN @OZ29819	K1860100
00296A	9102 D117	00117		15776	TM COFOPT,COFS DISPLAY STARTED TASKS... @OZ29819	K1860200
00296E	4780 820E	0297A		15777	BZ *+12 BR IF NO @OZ29819	K1860300
002972	9250 1001	00001		15778	MVI 1(R1),CATSTCCL-X'80' ELSE SET STC QUEUE @OZ29819	K1860350
002976	4110 1001	00001		15779	LA R1,1(,R1) AND UPDATE QUEUE POINTER @OZ29819	K1860400
00297A	9104 D117	00117		15780	TM COFOPT,COFT DISPLAY TSO LOGONS... @OZ29819	K1860450
00297E	4780 821E	0298A		15781	BZ *+12 BR IF NO @OZ29819	K1860500
002982	9260 1001	00001		15782	MVI 1(R1),CATTSUCL-X'80' ELSE SET TSU QUEUE @OZ29819	K1860550
002986	4110 1001	00001		15783	LA R1,1(,R1) AND UPDATE QUEUE POINTER @OZ29819	K1860600
00298A	9101 D117	00117		15784	TM COFOPT,COFN DISPLAY BATCH JOBS... @OZ29819	K1860650
00298E	4780 8230	0299C		15785	BZ *+14 BR IF NO @OZ29819	K1860700
002992	D223 1001 8A7D	00001 031E9		15786	MVC 1(36,R1),CDQTYPEA ELSE SET NORMAL JOB CLASSES@OZ29819	K1860750
002998	4110 1024	00024		15787	LA R1,36(,R1) AND UPDATE QUEUE POINTER @OZ29819	K1860800
00299C	9110 D117	00117		15788	TM COFOPT,COFD DISPLAY JOBS ON DEVICES... @OZ29819	K1860900
0029A0	4780 8242	029AE		15789	BZ *+14 BR IF NO @OZ29819	K1860950
0029A4	D202 1001 8B36	00001 032A2		15790	MVC 1(3,R1),=ALL(\$INPUT,\$OUTPUT,\$HARDCPY) DEV QUEUES@OZ29819	K1861000
0029AA	4110 1003	00003		15791	LA R1,3(,R1) UPDATE QUEUE POINTER @OZ29819	K1861050
0029AE	92FF 1001	00001		15792	MVI 1(R1),255 SET END OF QUEUES INDICATOR @OZ29819	K1861100
0029B2	1F66			15793	SLR WE,WE CLEAR 'JOB FOUND' INDICATOR @OZ29819	K1861150
0029B4	5810 D188	00188		15795	CDALOOPA L R1,CDAQTYPE INCREMENT @OZ29819	K1861250
0029B8	4110 1001	00001		15796	LA R1,1(,R1) POINTER TO @OZ29819	K1861300
0029BC	5010 D188	00188		15797	ST R1,CDAQTYPE JOB QUEUE TYPE @OZ29819	K1861350

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0029C0	95FF 1000	00000		15798	CLI 0(R1),255	ALL QUEUES PROCESSED... @OZ29819 K1861400
0029C4	4780 828A	029F6		15799	BE CDAEND	BR IF YES @OZ29819 K1861450
0029C8	1FFF			15800	SLR R15,R15	CLEAR FOR INSERT @OZ29819 K1861500
0029CA	43F0 1000	00000		15801	IC R15,0(,R1)	GET NEXT QUEUE TYPE @OZ29819 K1861550
				15802	\$CFJSCAN PROCESS=CDAPRO,NEXT=CDANXT,QUEUE=(R15)	@OZ29819 K1861600
				15803+	*****	K1045000
				15804+	SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				15805+	*****	K1046000
0029CE	5810 8ADC	03248		15806+	L R1,=V(\$QINDEX)	GET ADDR OF JOB QUEUE INDEX @OZ29819 K1048300
0029D2	43F1 F000	00000		15807+	IC R15,0(R1,R15)	GET OFFSET OF QUEUE HEAD @OZ29819 K1048400
0029D6	411F B54E	0054E		15808+CJS0400A	LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1051500
0029DA	4810 1006	00006		15809+CDANXT	LH R1,JQECHAIN	GET OFFSET OF NEXT JQE R4 K1055500
0029DE	5410 8AC4	03230		15810+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
0029E2	4780 8286	029F2		15811+	BZ CJS0400C	BR IF END OF QUEUE R4 K1056500
0029E6	8910 0002	00002		15812+	SLL R1,2	GET TRUE R4 K1057000
0029EA	5E10 B1C0	001C0		15813+	AL R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
0029EE	47F0 82AA	02A16		15814+	B CDAPRO	AND ENTER PROCESS ROUTINE R4 K1058000
0029F2				15815+CJS0400C	DS 0H	@OZ29819 K1058200
0029F2	47F0 8248	029B4		15816	B CDALOOPA	BR TO PROCESS NEXT QUEUE @OZ29819 K1861700
0029F6	1266			15818	CDAEND LTR WE,WE	ANY JOBS DISPLAYED... @OZ29819 K1861800
0029F8	4780 8298	02A04		15819	BZ CDANONE	BR IF NO @OZ29819 K1861850
				15820	\$CRET ,	ELSE EXIT @OZ29819 K1861900
0029FC				15821+	DS 0H	Z0006000
0029FC	41F0 0000	00000		15822+	LA R15,CORTNORM	NORMAL RETURN K0137000
002A00	47F0 C1AC	001AC		15823+	B CORET	RETURN K0137500
				15824	CDANONE \$CRET MSG='NO ACTIVE JOBS'	EXIT WITH DIAGNOSTIC K1862000
002A04				15825+CDANONE	DS 0H	Z0006000
002A04	D20D D0B6 8B00	000B6	0326C	15826+	MVC COMMAND(14),=C'NO ACTIVE JOBS'	K0131000
002A0A	4100 000E	0000E		15827+	LA R0,14	SET LENGTH OF MSG IN R0 K0131500
002A0E	41F0 0008	00008		15828+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
002A12	47F0 C1AC	001AC		15829+	B CORET	RETURN K0137500
002A16				15830	CDAPRO DS 0H	CHECK JOB FOR SID ACTIVITY K1862500
002A16	1851			15831	LR WD,R1	SAVE R1 OVER DISPLAY K1863000
				15832	\$CFJMSG OPT=SET,AFF=SET	DISPLAY JOB K1863500
002A18	58A0 8AE0	0324C		15833+	L R10,=A(COFJMSG)	POINT TO SERVICE ROUTINE R4 K0752500
002A1C	052A			15834+	BALR WA,R10	CALL JOB INFORMATION MSG ROUTINE R4 K0753000
002A1E	47F0 82BC	02A28		15835	B CDAJOK	+0 -- JOB DISPLAYED K1864000
002A22	1815			15836	LR R1,WD	+4 -- JOB NOT ACTIVE K1864500
002A24	47F0 826E	029DA		15837	B CDANXT	BR TO GET NEXT JOB @OZ29819 K1865000
002A28	5810 D188	00188		15838	CDAJOK L R1,CDAQTYPE	GET ADDRESS OF QUEUE TYPE @OZ29819 K1865500
002A2C	1FFF			15839	SLR R15,R15	CLEAR FOR INSERT @OZ29819 K1865600
002A2E	43F0 1000	00000		15840	IC R15,0(,R1)	GET QUEUE TYPE @OZ29819 K1865700
				15841	\$CFJSCAN PROCESS=CDACK,NEXT=CDACKNXT,QUEUE=(R15)	@OZ29819 K1866000
				15842+	*****	K1045000
				15843+	SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				15844+	*****	K1046000
002A32	5810 8ADC	03248		15845+	L R1,=V(\$QINDEX)	GET ADDR OF JOB QUEUE INDEX @OZ29819 K1048300
002A36	43F1 F000	00000		15846+	IC R15,0(R1,R15)	GET OFFSET OF QUEUE HEAD @OZ29819 K1048400
002A3A	411F B54E	0054E		15847+CJS0411A	LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1051500
002A3E	4810 1006	00006		15848+CDACKNXT	LH R1,JQECHAIN	GET OFFSET OF NEXT JQE R4 K1055500
002A42	5410 8AC4	03230		15849+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
002A46	4780 82EA	02A56		15850+	BZ CJS0411C	BR IF END OF QUEUE R4 K1056500
002A4A	8910 0002	00002		15851+	SLL R1,2	GET TRUE R4 K1057000
002A4E	5E10 B1C0	001C0		15852+	AL R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
002A52	47F0 82FC	02A68		15853+	B CDACK	AND ENTER PROCESS ROUTINE R4 K1058000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
002A56				15854+CJS0411C	DS 0H	@OZ29819 K1058200
				15855	\$CRET MSG='LIST INCOMPLETE' EXIT WITH ERROR	K1866500
002A56				15856+	DS 0H	Z0006000
002A56	D20E D0B6 8B39	000B6	032A5	15857+	MVC COMMAND(15),=C'LIST INCOMPLETE'	K0131000
002A5C	4100 000F	0000F		15858+	LA R0,15 SET LENGTH OF MSG IN R0	K0131500
002A60	41F0 0008	00008		15859+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
002A64	47F0 C1AC	001AC		15860+	B CORET RETURN	K0137500
002A68	1915			15861	CDACK CR R1,WD SAME JQE	K1867000
002A6A	4770 82D2	02A3E		15862	BNE CDACKNXT LOOP IF NOT SAME JOB	K1867500
002A6E	1861			15863	LR WE,R1 INDICATE JOB DISPLAYED	@OZ29819 K1868000
				15864 *	THIS LINE DELETED BY APAR NUMBER	@OZ29819 K1868500
002A70	47F0 826E	029DA		15865	B CDANXT CONTINUE DISPLAYING JOBS	K1869000
				15867	*****	K1870000
				15868 *		* K1870500
				15869 *	LOOK AT LIMITING OPERANDS	* K1871000
				15870 *		* K1871500
				15871	*****	K1872000
002A74				15872	CDAFIL DS 0H SCAN OPERANDS	K1872500
002A74	9812 5000	00000		15873	LM R1,WA,0(WD) PICK-UP OPERANDS	K1873000
002A78	1F21			15874	SLR WA,R1 COMPUTE	K1873500
002A7A	0620			15875	BCTR WA,0 ACTUAL OPERAND LENGTH	K1874000
002A7C	4920 8B0E	0327A		15876	CH WA,=H'4' CHECK WITH SID LENGTH	K1874500
002A80	4770 8340	02AAC		15877	BNE CDACKALL NO--MAYBE FOR ALL SID'S	K1875000
002A84	58E0 B1DC	001DC		15878	L R14,\$QSE1 POINT TO 1ST QSE	R4 K1875500
				15879 *	THIS CARD DELETED BY APAR	@OZ27300 K1876000
		00000		15880	USING QSEDECT,R14 ADDRESSABILITY	K1876500
				15881 *	THIS CARD DELETED BY APAR	@OZ27300 K1877000
002A88	D503 E008 1000	00008	00000	15882	CDAQLOOP CLC QSESID,0(R1) DOES OPERAND MATCH SID	@OZ27300 K1877500
002A8E	4780 8336	02AA2		15883	BE CDAQFND YES--FLAG AS SUCH	K1878000
002A92	9101 E012	00012		15884	TM QSEFLAGS,QSELAST NO--LOOP THROUGH ALL SIDS	R4 K1878500
002A96	41E0 E014	00014		15885	LA R14,QSELEN(,R14) BUMP TO NEXT QSE	@OZ27300 K1878600
002A9A	4780 831C	02A88		15886	BZ CDAQLOOP LOOKING FOR SID MATCH	K1879000
002A9E	47F0 838E	02AFA		15887	B CDAINVO NOT FOUND -- ERROR	K1879500
002AA2				15888	CDAQFND DS 0H SID MATCHED OPERAND	K1880000
002AA2	D600 D189 E00D	00189	0000D	15889	OC COFAFF-COFOPT+COMPNTER,QSESIAFF SET AFFINITY	R4 K1880500
002AA8	47F0 81BA	02926		15890	B CDAC LOOK FOR MORE OPERANDS	K1881000
002AAC				15891	CDACKALL DS 0H NOT A SPECIFIC SID -- 'ALL'	K1881500
002AAC	D502 1000 8B32	00000	0329E	15892	CLC 0(3,R1),=C'ALL' WAS IT ALL SIDS	K1882000
002AB2	4770 8352	02ABE		15893	BNE *+12 NO--SCAN OTHER OPERANDS	K1882500
002AB6	927F D189	00189		15894	MVI COFAFF-COFOPT+COMPNTER,X'7F' SET FOR ALL SYSTEMS	R4 K1883000
002ABA	47F0 81BA	02926		15895	B CDAC AND CONTINUE EXAMING OPERANDS	K1883500
				15896	DROP R14 DISESTABLISH-ADDRESSABILITY	K1884000
002ABE	4120 0001	00001		15897	LA WA,COFN SET FOR BATCH JOBS	K1884500
002AC2	95D1 1000	00000		15898	CLI 0(R1),C'J' TEST FOR SAME	K1885000
002AC6	4780 8392	02AFE		15899	BE CDASET YES--FLAG REQUEST	K1885500
002ACA	4120 0002	00002		15900	LA WA,COFS SET FOR SYSTEM TASKS	K1886000
002ACE	95E2 1000	00000		15901	CLI 0(R1),C'S' TEST FOR SAME	K1886500
002AD2	4780 8392	02AFE		15902	BE CDASET YES--FLAG REQUEST	K1887000
002AD6	4120 0004	00004		15903	LA WA,COFT SET FOR TIME SHARING USERS	K1887500
002ADA	95E3 1000	00000		15904	CLI 0(R1),C'T' TEST FOR SAME	K1888000
002ADE	4780 8392	02AFE		15905	BE CDASET YES--FLAG REQUEST	K1888500
002AE2	4120 0010	00010		15906	LA WA,COFD SET REQUEST FOR DEVICE(S)	K1889000
002AE6	95C4 1000	00000		15907	CLI 0(R1),C'D' TEST FOR SAME	K1889500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
002AEA	4780 8392	02AFE		15908	BE CDASET	YES--FLAG REQUEST K1890000
002AEE	4120 0008	00008		15909	LA WA,COFX	SET REQUEST FOR JOB IN EXECUTION K1890500
002AF2	95E7 1000	00000		15910	CLI 0(R1),C'X'	TEST FOR SAME K1891000
002AF6	4780 8392	02AFE		15911	BE CDASET	K1891500
				15912	CDAINVO \$CFINVO OPERAND=(R1)	TELL OPERATOR ABOUT INVO OPERAND K1892000
002AFA				15913+	CDAINVO DS 0H	Z0006000
002AFA	47F0 C7A6	007A6		15914+	B COFINVO	REPLY INVALID OPERAND K0636500
002AFE	4420 839A	02B06		15915	CDASET EX WA,CDAOI	TURN BIT ON K1892500
002B02	47F0 81BA	02926		15916	B CDAC	LOOP K1893000
002B06	9600 D188	00188		15917	CDAOI OI COFOPT-COFOPT+COMPNTER,*-* *** EXECUTE ONLY ***	R4 K1893500
			00188	15919	CDAQTYPE EQU COMPNTER,4	POINTER TO JOB QUEUE TYPE @OZ29819 K1893700
			0018C	15920	CDAQLIST EQU CDAQTYPE+4,40	QUEUES TO BE PROCESSED @OZ29819 K1893800

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				15922	*****	K1894500
				15923	*	* K1895000
				15924	* \$D N -- DISPLAY INFORMATION ON QUEUED JOBS	* K1895500
				15925	*	* K1896000
				15926	*****	K1896500
002B0A	4140 894E	030BA		15927	CDN LA WC,CDNCTR SET TO LIST EACH JOB	K1897000
002B0E	9220 D21A	0021A		15928	MVI CDNFLAG,CDNFLGN INDICATE \$DN @OZ29819	K1897100
002B12	47F0 83B2	02B1E		15929	B CDQBREAK ENTER COMMON CODE WITH \$D Q	K1897500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				15931	*****	K1898500
				15932	*	* K1899000
				15933	* \$D Q -- DISPLAY JOB QUEUE	* K1899500
				15934	*	* K1900000
				15935	*****	K1900500
002B16	4140 89DA	03146		15936	CDQ LA WC,CDQCTR SET TO COUNT EACH JOB	K1901000
002B1A	9200 D21A	0021A		15937	MVI CDNFLAG,0 RESET ALL FLAGS @OZ29819	K1901100
				15938	*****	K1901500
				15939	*	* K1902000
				15940	* FORMAT OF OPERANDS	* K1902500
				15941	*	* K1903000
				15942	* SID/ALL/ANY/IND - OPERAND TWO	* K1903500
				15943	* JOBS WITH AFFINITY TO SYSTEM (SID) (DEFAULT=OWN)	* K1904000
				15944	* JOBS WITH AFFINITY TO SYS 1,2,... (ALL)	* K1904500
				15945	* JOBS WITH AFFINITY TO ANY SYSTEM (ANY)	* K1905000
				15946	* ALL = ALL JOB(S) REGARDLESS OF THE SYSTEM AFFINITY	* K1905500
				15947	* ANY = JOB(S) WITH AFFINITY TO 'ANY' SYSTEM	* K1906000
				15948	* IND JOBS FOR OWN SYSTEM IN INDEPENDENT MODE	* K1906500
				15949	* IND - THIRD OPERAND QUALIFIES SID/ALL/ANY OF OPERAND TWO	* K1907000
				15950	* R=DEST1-DEST2 - JOBS WITH ROUTE CODES WITHIN RANGES	* K1907500
				15951	* Q=XEQ/XEQ CLASS/OUT/PPU/HOLD - QUEUE TYPE	* K1909500
				15952	*	* K1910500
				15953	*****	K1911000
				15954	* BREAK OUT OPERANDS	* K1911500
002B1E				15956	CDQBREAK DS 0H BREAK-OUT OPERANDS	K1912500
				15957	PRINT OFF - SECTION DELETED @OZ29819	K1913000
				15960	PRINT ON -- SECTION DELETED @OZ29819	K1914500
002B1E	9108 D07F	0007F		15961	TM COMAUTH,CMBFLAGR IS CONSOLE REMOTE RESTRICTED R41	K1915000
002B22	4710 83C4	02B30		15962	BO CDQRTD YES--GET DEFAULT ROUTE RANGE R41	K1915500
002B26	D203 D1E0 8A70	001E0 031DC		15963	MVC CDQDEFR,CDQRALLD INCLUDE ALL ROUTE CODES @OZ29819	K1919500
002B2C	47F0 83D0	02B3C		15964	B CDQLOCAL SKIP REMOTE R4	K1920000
002B30	45E0 C938	00938		15965	CDQRTD BAL LINK,COFRTD GET DEFAULT ROUTE RANGES IN R1,R0 R4	K1920500
002B34	4000 D1E0	001E0		15966	STH R0,CDQRBNHDH SET HIGH BOUND R4	K1921000
002B38	4010 D1E2	001E2		15967	STH R1,CDQRBNDL SET LOW BOUND R4	K1921500
002B3C	D200 D1E4 B426	001E4 00426		15968	CDQLOCAL MVC CDQSIDLO,\$SIDAFF ASSUME OUR SYSTEM R4	K1922000
002B42	D200 D1E5 B426	001E5 00426		15969	MVC CDQSIDHI,\$SIDAFF AS DEFAULT R4	K1922500
002B48	D219 D1E6 8A4E	001E6 031BA		15970	MVC CDQSE,CDQS MOVE IN SCAN PARAMETER DEFAULTS R4	K1923000
002B4E	8656 859C	02D08		15971	BXH WD,WE,CDQXITT SET DEFAULT SCAN ELEMENTS IF NULL R4	K1923500
002B52	5810 5000	00000		15972	L R1,0(,WD) POINT TO OPERAND R4	K1924000
002B56	957E 1001	00001		15973	CLI 1(R1),C'=' THIS EQUAL R4	K1924500
002B5A	4780 8498	02C04		15974	BE CDQROUT TRY ROUTE RANGE IF YES R4	K1925000
002B5E	D502 1000 8B48	00000 032B4		15975	CLC 0(3,R1),=C'ANY' TEST FOR AFFINITY REQ OF 'ANY' K1925500	
002B64	4770 8408	02B74		15976	BNE CDQSIDMO NO-LOOK FOR 'ALL' OR SPECIFIC AFF K1926000	
002B68	927F D1E4	001E4		15977	MVI CDQSIDLO,QUESYSAF SET AFFINITY TO ANY R4	K1926500
002B6C	927F D1E5	001E5		15978	MVI CDQSIDHI,QUESYSAF HIGH SAME AS LOW R4	K1927000
002B70	47F0 8462	02BCE		15979	B CDQSIDND AND EXIT AFFINITY SCAN K1927500	
002B74	D502 1000 8B32	00000 0329E		15980	CDQSIDMO CLC 0(3,R1),=C'ALL' THIS ALL R4	K1928000
002B7A	4770 842A	02B96		15981	BNE CDQSIDLK LOOK FOR SID R4	K1928500
002B7E	9201 D1E4	001E4		15982	MVI CDQSIDLO,1 SET MASK FOR FIRST QSE R4	K1929000
002B82	48E0 B5EC	005EC		15983	LH R14,\$QSENO GET NUMBER OF QSES R4	K1929500
002B86	43EE 8AAD	03219		15984	IC R14,CDQQSEAF(R14) PICK UP AFFINITY OF HIGH QSE R4	K1930000
002B8A	42E0 D1E5	001E5		15985	STC R14,CDQSIDHI SET HIGH QSE MASK R4	K1930500
002B8E	9601 D21A	0021A		15986	OI CDNFLAG,CDNALL SET ALL SPECIFIED R4	K1931000
002B92	47F0 8462	02BCE		15987	B CDQSIDND EXIT AFFINITY SCAN R4	K1931500
002B96	D502 1000 8B4B	00000 032B7		15988	CDQSIDLK CLC 0(3,R1),=C'IND' THIS IND R4	K1932000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		ASM 0201 06.59 01/28/22
002B9C	4780 847C	02BE8		15989	BE CDQIND	SET IND IF YES	R4 K1932500
002BA0	58E0 B1DC	001DC		15990	L R14,\$QSE1	POINT TO 1ST QSE	R4 K1933000
				15991 *		THIS CARD DELETED BY APAR @OZ27300	K1933500
		00000		15992	USING QSEIDSECT,R14	QSE ADDRESSABILITY	K1934000
				15993 *		THIS CARD DELETED BY APAR @OZ27300	K1934500
002BA4	D503 E008 1000	00008	00000	15994	CDQSIDLL CLC QSEID,0(R1)	FOUND QSE	@OZ27300 K1935000
002BAA	4780 8456	02BC2		15995	BE CDQSIDFD	YES--FILL IN END AFFINITY	K1935500
002BAE	9101 E012	00012		15996	CDQSIDLP TM QSEFLG, QSELAST	TEST FOR LAST ELEMENT	K1936000
002BB2	41E0 E014	00014		15997	LA R14,QSELEN(,R14)	BUMP TO NEXT QSE	@OZ27300 K1936100
002BB6	4780 8438	02BA4		15998	BZ CDQSIDLL	AND LOOP THROUGH ALL ELEMENTS	K1936500
002BBA	5810 5000	00000		15999	CDQINVOA L R1,0(,WD)	POINT TO ERROR OPERAND	R4 K1937000
				16000	CDQINVO \$CFINVO OPERAND=(R1)	ERROR EXIT	R4 K1937500
002BBE				16001+	CDQINVO DS 0H		Z0006000
002BBE	47F0 C7A6	007A6		16002+	B COFINVO	REPLY INVALID OPERAND	K0636500
002BC2	D200 D1E4 E00D	001E4	0000D	16003	CDQSIDFD MVC CDQSIDLO,QSESIAFF	SET AFFINITY	R4 K1938000
002BC8	D200 D1E5 E00D	001E5	0000D	16004	MVC CDQSIDHI,QSESIAFF	SET ENDING AFFINITY	K1938500
				16005	DROP R14	DROP QSE ADDRESSABILITY	K1939000
002BCE	8656 859C	02D08		16006	CDQSIDND BXH WD,WE,CDQXITT	SET DEFAULT SCAN ELEMENT IF NULL	R4 K1939500
002BD2	5810 5000	00000		16007	L R1,0(,WD)	POINT TO OPERAND	R4 K1940000
002BD6	957E 1001	00001		16008	CLI 1(R1),C'='	THIS EQUAL	R4 K1940500
002BDA	4780 8498	02C04		16009	BE CDQROUT	TRY ROUTE RANGE IF YES	R4 K1941000
002BDE	D502 1000 8B4B	00000	032B7	16010	CLC 0(3,R1),=C'IND'	THIS IND	R4 K1941500
002BE4	4770 8452	02BBE		16011	BNE CDQINVO	ERROR IF NOT	R4 K1942000
002BE8	9602 D21A	0021A		16012	CDQIND OI CDNFLAG,CDNIND	SET INDEPENDENT MODE	R4 K1942500
002BEC	9680 D1E4	001E4		16013	OI CDQSIDLO,QUEINDAF	SET LOW BOUND IND	R4 K1943000
002BF0	9680 D1E5	001E5		16014	OI CDQSIDHI,QUEINDAF	SET HIGH BOUND IND	R4 K1943500
002BF4	8656 859C	02D08		16015	CDQNXTOP BXH WD,WE,CDQXITT	LOOK FOR MORE	R4 K1944000
002BF8	5810 5000	00000		16016	L R1,0(,WD)	POINT TO OPERAND	R4 K1944500
002BFC	957E 1001	00001		16017	CLI 1(R1),C'='	THIS EQUAL	R4 K1945000
002C00	4770 8452	02BBE		16018	BNE CDQINVO	ERROR IF NOT	R4 K1945500
002C04	95D9 1000	00000		16019	CDQROUT CLI 0(R1),C'R'	THIS ROUTE CODE	R4 K1946000
002C08	4770 84C0	02C2C		16020	BNE CDQTYPE	TRY TYPE IF NOT	R4 K1946500
002C0C	9104 D21A	0021A		16021	TM CDNFLAG,CDNROUT	ROUTE ALREADY BEEN SPECIFIED	R4 K1947000
002C10	4710 8452	02BBE		16022	BO CDQINVO	ERROR IF YES	R4 K1947500
002C14	9604 D21A	0021A		16023	OI CDNFLAG,CDNROUT	SET ROUTE SPECIFIED	R4 K1948000
002C18	45E0 C978	00978		16024	BAL LINK,COFRTRA	CONVERT DESTINATION	R4 K1948500
002C1C	47F0 844E	02BBA		16025	B CDQINVOA	ERROR IF BAD	+ 0 R4 K1949000
002C20	4010 D1E2	001E2		16026	STH R1,CDQRBN DL	SET LOW ROUT CODE	+ 4 R4 K1949500
002C24	4000 D1E0	001E0		16027	STH R0,CDQRBN DH	SET HIGH ROUTING CODE	K1950000
002C28	47F0 8488	02BF4		16028	B CDQNXTOP	DO NEXT OPERAND	R4 K1950500
002C2C	95D8 1000	00000		16029	CDQTYPE CLI 0(R1),C'Q'	THIS QUEUE TYPE	R4 K1951000
002C30	4770 8452	02BBE		16030	BNE CDQINVO	ERROR IF NOT	R4 K1951500
002C34	9108 D21A	0021A		16031	TM CDNFLAG,CDNTYPE	ALREADY SPECIFIED	R4 K1952000
002C38	4710 8452	02BBE		16032	BO CDQINVO	ERROR IF YES	R4 K1952500
002C3C	9608 D21A	0021A		16033	OI CDNFLAG,CDNTYPE	SET SPECIFIED	R4 K1953000
002C40	D502 1002 8B4E	00002	032BA	16034	CLC 2(3,R1),=C'XEQ'	EXECUTION QUEUE	R4 K1966500
002C46	4770 855A	02CC6		16035	BNE CDQOUTT	IF NOT TEST OUT	K1967000
002C4A	9540 1005	00005		16036	CLI 5(R1),C' '	ALL QUEUES...	@OZ29819 K1967500
002C4E	4780 8592	02CFE		16037	BE CDQENDS	BR IF YES	@OZ29819 K1968000
002C52	956B 1005	00005		16038	CLI 5(R1),C', '	ALL QUEUES...	@OZ29819 K1968500
002C56	4780 8592	02CFE		16039	BE CDQENDS	BR IF YES	@OZ29819 K1969000
002C5A	41F0 8A7A	031E6		16040	LA R15,CDQTYPE C	ASSUME CONVERSION QUEUE	@OZ29819 K1969500
002C5E	955C 1005	00005		16041	CLI 5(R1),C' *'	IF CONVERSION QUEUE,	@OZ29819 K1970000
002C62	4780 854E	02CBA		16042	BE CDQXCLS	BR TO TEST NEXT OPERAND	@OZ29819 K1970500
002C66	41F0 8A7B	031E7		16043	LA R15,CDQTYPE \$	ASSUME STC QUEUE	@OZ29819 K1971000
002C6A	955B 1005	00005		16044	CLI 5(R1),CATSTCID	IF	@OZ29819 K1971500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
002D40	D203 D1DC D1E0	001DC	001E0	16101	SKIP110 MVC CDQSHI(4),CDQDEFR	FORCE ROUTE RANGE R4 K1998000
002D46	1F66			16102	CDQLOOPB SLR WE,WE	ZERO \$DQ COUNTER R4 K1998500
				16103	*	THIS LINE DELETED BY APAR NUMBER @OZ29819 K1999000
002D48	4830 D1DC	001DC		16104	LH WB,CDQSHI	SET FIRST ROUTE CODE K1999500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16106	*****	K2000500
				16107	*	* K2001000
				16108	* SCAN THE JOB QUEUE	* K2001500
				16109	*	* K2002000
				16110	*****	K2002500
002D4C	BF17 D1E8	001E8		16111	CDQLOOPA ICM R1,7,CDQTYPLO GET ADDRESS OF QUEUE TYPE @OZ29819	K2003000
002D50	1FFF			16112	SLR R15,R15 CLEAR FOR INSERT @OZ29819	K2003100
002D52	43F0 1000	00000		16113	IC R15,0(,R1) GET QUEUE TYPE @OZ29819	K2003200
				16114	\$CFJSCAN PROCESS=4(WF,BASE3),NEXT=CDQNXT,QUEUE=(R15) @OZ29819	K2003300
				16115+	*****	K1045000
				16116+	* SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				16117+	*****	K1046000
002D56	5810 8ADC	03248		16118+	L R1,=V(\$QINDEX) GET ADDR OF JOB QUEUE INDEX @OZ29819	K1048300
002D5A	43F1 F000	00000		16119+	IC R15,0(R1,R15) GET OFFSET OF QUEUE HEAD @OZ29819	K1048400
002D5E	411F B54E	0054E		16120+	CJS0426A LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE R4	K1051500
002D62	4810 1006	00006		16121+	CDQNXT LH R1,JQECHAIN GET OFFSET OF NEXT JQE R4	K1055500
002D66	5410 8AC4	03230		16122+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
002D6A	4780 860E	02D7A		16123+	BZ CJS0426C BR IF END OF QUEUE R4	K1056500
002D6E	8910 0002	00002		16124+	SLL R1,2 GET TRUE R4	K1057000
002D72	5E10 B1C0	001C0		16125+	AL R1,\$JOBQPTR JQE ADDRESS R4	K1057500
002D76	47F7 8004	00004		16126+	B 4(WF,BASE3) AND ENTER PROCESS ROUTINE R4	K1058000
002D7A				16127+	CJS0426C DS 0H @OZ29819	K1058200
002D7A	1206			16128	LTR R0,WE TEST COUNT FOR ZERO	K2003500
002D7C	4780 8626	02D92		16129	BZ CDQNRES SKIP DISPLAY IF ZERO	K2004000
				16130	\$CFCVE , CONVERT TO PRINTABLE	K2004500
002D80	45E0 C4BA	004BA		16131+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
002D84	D203 D0B6 D091	000B6 00091		16132	MVC COMMAND(4),COMDWORK+1 SET NUMBER OF HITS	K2005000
002D8A	47F7 8000	00000		16133	B 0(WF,BASE3) ENTER DISPLAY PREPARATION	K2005500
				16134	CDQRES \$CWTO L=(R0) RESPOND	K2006000
002D8E				16135+	CDQRES DS 0H	Z0006000
002D8E	4520 C07A	0007A		16136+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
002D92	9110 D21A	0021A		16139	CDQNRES TM CDNFLAG,CDNRSCAN QUEUE RE-SCAN REQUIRED... @OZ29819	K2007500
002D96	4780 863A	02DA6		16140	BZ CDQNEXT BR IF NO @OZ29819	K2008000
002D9A	94EF D21A	0021A		16141	NI CDNFLAG,255-CDNRSCAN RESET RE-SCAN FLAG @OZ29819	K2008500
002D9E	4030 D1DE	001DE		16142	STH WB,CDQSLO SET NEW RANGE LOW @OZ29819	K2009000
002DA2	47F0 85DA	02D46		16143	B CDQLOOPB AND BR TO RE-SCAN QUEUE @OZ29819	K2009500
002DA6	BF17 D1E8	001E8		16145	CDQNEXT ICM R1,7,CDQTYPLO GET ADDR OF CURRENT QUEUE @OZ29819	K2010500
002DAA	BD17 D1EB	001EB		16146	CLM R1,7,CDQTYPHI LAST QUEUE FOR THIS TYPE... @OZ29819	K2011000
002DAE	47B0 8652	02DBE		16147	BNL CDQINCR BR IF YES @OZ29819	K2011500
002DB2	4110 1001	00001		16148	LA R1,1(,R1) INCREMENT QUEUE ADDRESS @OZ29819	K2012000
002DB6	BE17 D1E8	001E8		16149	STCM R1,7,CDQTYPLO AND SAVE @OZ29819	K2012500
002DBA	47F0 85DA	02D46		16150	B CDQLOOPB THEN BR TO SCAN NEXT QUEUE @OZ29819	K2013000
002DBE	D211 D1E6 D1EE	001E6 001EE		16152	CDQINCR MVC CDQSEE(L'CDQSE-L'CDQSEE),CDQSECDD SHIFT NEXT IN	K2014000
002DC4	47F0 85B8	02D24		16153	B CDQLOOP LOOP	K2014500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
002DC8	9120	D21A	0021A		16155	CDQSIDM	TM CDNFLAG,CDNFLGN \$DN...	@OZ29819 K2014700
002DCC	4710	867A	02DE6		16156		BO CDQSIDN BR IF YES	@OZ29819 K2014800
002DD0	120A				16157		LTR R0,R10 ANY JOBS HELD THIS SYSTEM...	@OZ29819 K2015000
002DD2	4780	867A	02DE6		16158		BZ CDQSIDN BR IF NO	@OZ29819 K2015200
					16159		\$CFCVE , CONVERT TO PRINTABLE	@OZ29819 K2015300
002DD6	45E0	C4BA	004BA		16160+		BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
002DDA	D203	D0B6	D091	000B6	00091	16161	MVC COMMAND(4),COMDWORK+1 SET NUMBER OF HITS	@OZ29819 K2015400
002DE0	1FAA				16162		SLR R10,R10 CLEAR JOB HOLD COUNT	@OZ29819 K2015500
002DE2	47F0	886A	02FD6		16163		B CDQHLDE ENTER HOLD DISPLAY ROUTINE	@OZ29819 K2015600
002DE6	D500	D1E4	D1E5	001E4	001E5	16165	CDQSIDN CLC CDQSIDLO,CDQSIDHI CHECK FOR END OF SCAN	@OZ29819 K2015800
002DEC	47B0	8898		03004		16166	BNL CDQEND IF NO MORE -- EXIT	K2016000
002DF0	1F66					16167	SLR WE,WE ZERO INSERT REGISTER	K2016500
002DF2	BF68	D1E4		001E4		16168	ICM WE,8,CDQSIDLO PICK-UP CURRENT SYSTEM ID	K2017000
002DF6	1E66					16169	ALR WE,WE SHIFT LEFT ONE SYS ID	K2017500
002DF8	BE68	D1E4		001E4		16170	STCM WE,8,CDQSIDLO SAVE NEW SYSTEM ID	K2018000
002DFC	47C0	8698		02E04		16171	BC 12,*+8 BRANCH IF NOT IND SCAN	K2018500
002E00	9680	D1E4		001E4		16172	OI CDQSIDLO,QUEINDAF ELSE FLAG IND SCAN	K2019000
002E04	D219	D1E6	D200	001E6	00200	16173	MVC CDQSE,CDQSESAV RESTORE SEARCH ELEMENTS	K2019500
002E0A	D500	D1E4	D1E5	001E4	001E5	16174	CLC CDQSIDLO,CDQSIDHI TST FOR ELMNTION OF PPU ELEM	K2020000
002E10	4780	85B8		02D24		16175	BE CDQLOOP NO--LEAVE ELEM FOR LAST SID	K2020500
002E14	D201	D1F6	8A66	001F6	031D2	16176	MVC CDQSEE+CDQPPUD-CDQS(2),CDQENDD OMIT PPU	@OZ29819 K2021000
002E1A	47F0	85B8		02D24		16177	B CDQLOOP AND CONTINUE ELEMENT SCANS	K2021500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16179	*****	K2022500
				16180	*	* K2023000
				16181	* EXAMINE JOB QUEUE ELEMENT	* K2023500
				16182	*	* K2024000
				16183	*****	K2024500
				16184	PRINT OFF - SECTION DELETED @OZ29819	K2025000
				16206	PRINT ON -- SECTION DELETED @OZ29819	K2036000
				16208	* REQUEST FOR 'XEQ' QUEUE	K2037000
002E1E	47F0 86C8	02E34		16210	CDQXEQ B CDQXEQE ENTER \$DQ MESSAGE PREPARATION	K2038000
002E22	45E0 88CA	03036		16211	BAL R14,CDQCKRTE CHECK ROUTE CODES	K2038500
002E26	9107 1004	00004		16212	TM JQEFLAGS,QUEBUSY TEST FOR ACTIVE	K2039000
002E2A	4770 85F6	02D62		16213	BNZ CDQNXT YES--GET NEXT JOB	K2039500
002E2E	45E0 88F2	0305E		16214	BAL R14,CDQCKSID CHECK FOR PROPER AFFINITY	K2040000
002E32	07F4			16215	BR WC ENTER \$DN OR \$DQ ROUTINE @OZ29819	K2040500
				16216	PRINT OFF - SECTION DELETED @OZ29819	K2041000
				16228	PRINT ON -- SECTION DELETED @OZ29819	K2046000
002E34				16230	CDQXEQE DS 0H DISPLAY QUEUED FOR EXECUTION	K2047000
002E34	D205 D0BB 8B10	000BB 0327C		16231	MVC COMMAND+5(6),=CL6'XEQ *' SET MESSAGE BODY	K2047500
002E3A	4110 000B	0000B		16232	LA R1,COMMAND+11-COMMAND PT TO END OF MESSAGE	K2048000
002E3E	BFF7 D1E8	001E8		16233	ICM R15,7,CDQTYPLO GET ADDR OF QUEUE TYPE @OZ29819	K2048100
002E42	9540 F000	00000		16234	CLI 0(R15),\$XEQ CONVERSION QUEUE... @OZ29819	K2048200
002E46	4780 8742	02EAE		16235	BE CDQSYSNM BR IF YES @OZ29819	K2048300
002E4A	D200 D0BF F000	000BF 00000		16236	MVC COMMAND+9(1),0(R15) MOVE QUEUE TYPE TO MSG @OZ29819	K2048500
002E50	9680 D0BF	000BF		16237	OI COMMAND+9,X'80' MAKE CLASS PRINTABLE	K2049000
002E54	D500 D1E4 B426	001E4 00426		16238	CLC CDQSIDLO,\$SIDAFF CHECK FOR POSSIBLE USE OF CAT	K2049500
002E5A	4770 871A	02E86		16239	BNE CDQNOCAT NO--DIFFERENT MACHINE	K2050000
002E5E	1FEE			16240	SLR R14,R14 ZERO INSERT REGISTER	K2050500
002E60	43E0 F000	00000		16241	IC R14,0(,R15) PICK UP CLASS @OZ29819	K2051000
002E64	5FE0 8AE8	03254		16242	SL R14,=A(X'40') LESS OFFSET INTO CAT	K2051500
002E68	89E0 0005	00005		16243	SLL R14,5 TIMES CAT SIZE	K2052000
002E6C	5EE0 B25C	0025C		16244	AL R14,\$CATABLE PLUS BEGINNING ADDRESS IS ELEMENT	K2052500
			00000	16245	USING CATDSECT,R14 CAT ADDRESSABILITY	K2053000
002E70	9101 E001	00001		16246	TM CATJBOPT,CATQHLED TEST FOR CLASS HELD (\$HQ)	K2053500
002E74	4780 871A	02E86		16247	BZ CDQNOCAT NO--EXIT CAT SCAN	K2054000
002E78	D204 D0C1 8B5D	000C1 032C9		16248	MVC COMMAND+11(5),=CL5'HOLD' YES--FILL IN 'HOLD'	K2054500
002E7E	4110 0010	00010		16249	LA R1,COMMAND+16-COMMAND PT TO END OF MESSAGE	K2055000
002E82	47F0 8742	02EAE		16250	B CDQSYSNM AND GO FILL IN SYSTEM NAME	K2055500
				16251	DROP R14 DROP QSE ADDRESSABILITY	K2056000
002E86				16252	CDQNOCAT DS 0H CAT NOT APPLICABLE	K2056500
002E86	95D0 D0BF	000BF		16253	CLI COMMAND+9,CATSTCCL TEST FOR SYSTEM TASK	K2057000
002E8A	4770 8730	02E9C		16254	BNE CDQNOSTC NO--TRY FOR LOGON	K2057500
002E8E	D205 D0BF 8AA1	000BF 0320D		16255	MVC COMMAND+9(6),CDQTSKID SET STC DESIGNATION	K2058000
002E94	4110 000F	0000F		16256	LA R1,COMMAND+15-COMMAND PT TO END OF MESSAGE	K2058500
002E98	47F0 8742	02EAE		16257	B CDQSYSNM GO FILL IN SYSTEM NAME	K2059000
002E9C				16258	CDQNOSTC DS 0H TRY FOR LOGON	K2059500
002E9C	95E0 D0BF	000BF		16259	CLI COMMAND+9,CATTSUCL TEST FOR TSU	K2060000
002EA0	4770 8742	02EAE		16260	BNE CDQSYSNM NO--FIL-IN SYSTEM NAME	K2060500
002EA4	D205 D0BF 8AA7	000BF 03213		16261	MVC COMMAND+9(6),CDQLOGID SET LOGON DESIGNATION	K2061000
002EAA	4110 000F	0000F		16262	LA R1,COMMAND+15-COMMAND PT TO END OF MESSAGE	K2061500
002EAE				16263	CDQSYSNM DS 0H FILL-IN SYSTEM NAME FOR AFFINITY	K2062000
002EAE	4111 D0B6	000B6		16264	LA R1,COMMAND(R1) PT TO END OF MESSAGE	K2062500
002EB2	4520 8916	03082		16265	BAL WA,CDQSIDNM PICK-UP NAME	K2063000
002EB6	D203 1000 F000	00000 00000		16266	MVC 0(L'QSESID,R1),0(R15) FILL-IN NAME	K2063500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
002EBC	4100	1004	00004		16267	LA	R0,L'QSESID(,R1) PT TO END OF MESSAGE	K2064000
002EC0	9102	D21A	0021A		16268	TM	CDNFLAG,CDNIND TEST FOR 'IND' REQUEST	K2064500
002EC4	4780	8766	02ED2		16269	BZ	*+14 NO--SKIP NEXT INSTRUCTIONS	K2065000
002EC8	D203	1004	8AEC 00004	03258	16270	MVC	L'QSESID(4,R1),=C' IND' SET 'IND' MODE IN MSG	K2065500
002ECE	4100	1008	00008		16271	LA	R0,L'QSESID+4(,R1) SET END OF MESSAGE	K2066000
002ED2	4110	D0B6	000B6		16272	LA	R1,COMMAND PT OT BEGINNING OF MESSAGE	K2066500
002ED6	1F01				16273	SLR	R0,R1 COMPUTE MESSAGE LENGTH	K2067000
002ED8	47F0	8622	02D8E		16274	B	CDQRES AND REPLY TO OPERATOR	K2067500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16277 *	REQUEST FOR 'PPU' QUEUE	K2083500
002EDC				16278	CDQPPU DS 0H SCAN JOBS IN HARDCPY QUEUE	K2084000
002EDC	47F0 8802	02F6E		16279	B CDQPPE DISPLAY AT END OF JOBS	K2084500
002EE0	9501 1001	00001		16280	CLI JQETYPE,\$HARDCPY JOB IN HARDCPY...	@OZ29819 K2085000
002EE4	4780 8798	02F04		16281	BE CDQCOMMN BR IF YES	@OZ29819 K2085500
002EE8	9107 1004	00004		16282	TM JQEFLAGS,QUEBUSY JOB BUSY IN OUTPUT...	@OZ29819 K2086000
002EEC	4780 85F6	02D62		16283	BZ CDQNXT BR IF NO TO GET NEXT JOB	@OZ29819 K2086500
002EF0	47F0 8798	02F04		16284	B CDQCOMMN ELSE TREAT AS IN HARDCPY	@OZ29819 K2087000
				16285	PRINT OFF - SECTION DELETED	@OZ29819 K2087500
				16291	PRINT ON -- SECTION DELETED	@OZ29819 K2090500
				16293 *	REQUEST FOR 'OUT' QUEUE	K2091500
002EF4				16294	CDQOUT DS 0H CHECK FOR JOBS AWAITING OUTPUT	K2092000
002EF4	47F0 8822	02F8E		16295	B CDQOUTE DISPALY AT END OF JOBS	K2092500
				16296 *	THIS LINE DELETED BY APAR NUMBER	@OZ29819 K2093000
				16297 *	THIS LINE DELETED BY APAR NUMBER	@OZ29819 K2093500
002EF8	45E0 88F2	0305E		16298	BAL R14,CDQCKSID TEST FOR CORRECT SID	K2094000
002EFC	9107 1004	00004		16299	TM JQEFLAGS,QUEBUSY TEST FOR ACTIVE	K2094500
002F00	4770 85F6	02D62		16300	BNZ CDQNXT YES--GET NEXT ELEMENT	K2095000
002F04				16302	CDQCOMMN DS 0H	K2096000
				16303 *	THIS LINE DELETED BY APAR NUMBER	@OZ29819 K2096500
002F04	D501 100C 100E	0000C 0000E		16304	CLC JQEPRT,RT,JQEPUNRT FIND LOWER ROUTE CODE	K2097000
002F0A	4720 87CE	02F3A		16305	BH CDQPUNL CHECK PUNCH TOO LOW IF LOWER	K2097500
				16306 *	PRINT ROUTE IS LOW (OR EQUAL)	K2098000
002F0E	D501 100C D1DE	0000C 001DE		16307	CLC JQEPRT,RT,CDQSLO IS IT LOWER THAN CURRENT LOW	K2098500
002F14	4740 87BE	02F2A		16308	BL CDQPUNC IT DEPENDS ON PUNCH IF LOW	K2099000
002F18	0784			16309	BER WC ENTER \$DN OR \$DQ IF HIT	@OZ29819 K2099500
002F1A	4930 100C	0000C		16310	CDQPRT CH WB,JQEPRT IS IT HIGHER THAN HIGH BOUND	K2100000
002F1E	4740 85F6	02D62		16311	BL CDQNXT LOOP IF YES	K2100500
				16312 *	THIS LINE DELETED BY APAR NUMBER	@OZ29819 K2101000
002F22	4830 100C	0000C		16313	LH WB,JQEPRT SET NEW HIGH BOUND	K2101500
002F26	47F0 87FA	02F66		16314	B CDQHIT FORCE QUEUE RE-SCAN	@OZ29819 K2102000
002F2A	D501 100E D1DE	0000E 001DE		16315	CDQPUNC CLC JQEPUNRT,CDQSLO IS PUNCH LOW ALSO	K2102500
002F30	4740 85F6	02D62		16316	BL CDQNXT LOOP IF YES	K2103000
002F34	0784			16317	BER WC ENTER \$DN OR \$DQ IF HIT	@OZ29819 K2103500
002F36	47F0 87DA	02F46		16318	B CDQPUN TEST AGAINST UPPER BOUND	K2104000
				16319 *	PUNCH ROUTE IS LOW	K2104500
002F3A	D501 100E D1DE	0000E 001DE		16320	CDQPUNL CLC JQEPUNRT,CDQSLO IS IT LOWER THAN CURRENT LOW	K2105000
002F40	4740 87EA	02F56		16321	BL CDQPRTC IT DEPENDS ON PRINT IF LOW	K2105500
002F44	0784			16322	BER WC ENTER \$DN OR \$DQ IF HIT	@OZ29819 K2106000
002F46	4930 100E	0000E		16323	CDQPUN CH WB,JQEPUNRT IS IT HIGHER THAN HIGH BOUND	K2106500
002F4A	4740 85F6	02D62		16324	BL CDQNXT LOOP IF YES	K2107000
				16325 *	THIS LINE DELETED BY APAR NUMBER	@OZ29819 K2107500
002F4E	4830 100E	0000E		16326	LH WB,JQEPUNRT SET NEW HIGH BOUND	K2108000
002F52	47F0 87FA	02F66		16327	B CDQHIT FORCE QUEUE RE-SCAN	@OZ29819 K2108500
002F56	D501 100C D1DE	0000C 001DE		16328	CDQPRTC CLC JQEPRT,RT,CDQSLO IS PRINT LOW ALSO	K2109000
002F5C	4740 85F6	02D62		16329	BL CDQNXT LOOP IF YES	K2109500
002F60	0784			16330	BER WC ENTER \$DN OR \$DQ IF HIT	@OZ29819 K2110000
002F62	47F0 87AE	02F1A		16331	B CDQPRT TEST AGAINST UPPER BOUND	K2110500
002F66				16333	CDQHIT DS 0H ANOTHER PASS REQUIRED	@OZ29819 K2111500
002F66	9610 D21A	0021A		16334	OI CDNFLAG,CDNRSCAN FORCE CURRENT QUEUE RE-SCAN	@OZ29819 K2112000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
002F6A	47F0 85F6	02D62		16335	B	CDQNXT BR TO GET NEXT JOB	@OZ29819 K2112500
002F6E				16337	CDQPPUE DS	0H DISPLAY QUEUED FOR PRT/PUN	K2113500
002F6E	D202 D0BB 8B5A	000BB	032C6	16338	MVC	COMMAND+5(3),=C'PPU' SET IDENTIFIER	R4 K2114000
002F74	41F0 D1DE	001DE		16339	LA	R15,CDQSLO POINT TO ROUTE FIELD	R4 K2114500
002F78	4100 D0BE	000BE		16340	LA	R0,COMMAND+8 POINT TO RECEIVE AREA	R4 K2115000
002F7C	45E0 C8EA	008EA		16341	BAL	LINK,COFRTC CONVERT TO PRINTABLE	R4 K2115500
002F80	D202 D0C8 8AF0	000C8	0325C	16342	MVC	COMMAND+8+10(3),=CL4'ANY' SET ANY	R4 K2116000
002F86	4100 0015	00015		16343	LA	R0,COMMAND+18+3-COMMAND SET LENGTH	R4 K2116500
002F8A	47F0 8622	02D8E		16344	B	CDQRES AND REPLY TO OPERATOR	K2117000
002F8E				16346	CDQOUTE DS	0H DISPLAY QUEUED FOR OUTPUT	K2118000
002F8E	D203 D0BB 8AF4	000BB	03260	16347	MVC	COMMAND+5(4),=CL4'OUT' SET MESSAGE	K2118500
002F94	4520 8916	03082		16348	BAL	WA,CDQSIDNM PICK-UP SYSTEM NAME	K2119000
002F98	D203 D0BF F000	000BF	00000	16349	MVC	COMMAND+9(L'QSESID),0(R15) SET SYSTEM NAME IN MSG	K2119500
002F9E	4100 000D	0000D		16350	LA	R0,COMMAND+9+L'QSESID-COMMAND SET MESSAGE LENGTH	K2120000
002FA2	9102 D21A	0021A		16351	TM	CDNFLAG,CDNIND TEST FOR 'IND' REQUEST	K2120500
002FA6	4780 8622	02D8E		16352	BZ	CDQRES NO--REPLY TO OPERATOR	K2121000
002FAA	D203 D0C3 8AEC	000C3	03258	16353	MVC	COMMAND+9+L'QSESID(4),=C' IND' SET 'IND' MODE IN MSG	K2121500
002FB0	4100 0011	00011		16354	LA	R0,COMMAND+13+L'QSESID-COMMAND SET MESSAGE LENGTH	K2122000
002FB4	47F0 8622	02D8E		16355	B	CDQRES AND REPLY TO OPERATOR	K2122500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16357	* REQUEST FOR 'HOLD' QUEUE	K2123500
002FB8	47F0 886A	02FD6		16359	CDQHLD B CDQHLDE ENTER \$DQ MESSAGE PREPARATION	K2124500
002FBC	91E0 1004	00004		16360	TM JQEFLAGS,QUEHOLDA+QUEHOLD1+QUEHOLD2 ANY HOLD	K2125000
002FC0	4780 85F6	02D62		16361	BZ CDQNXNT LOOP	K2125500
002FC4	9107 1004	00004		16362	TM JQEFLAGS,QUEBUSY TEST FOR BUSY	K2126000
002FC8	4770 85F6	02D62		16363	BNZ CDQNXNT YES--GET NEXT JOB	K2126500
002FCC	45E0 88F2	0305E		16364	BAL R14,CDQCKSID CHECK FOR PROPER AFFINITY	K2127000
002FD0	45E0 88CA	03036		16365	BAL R14,CDQCKRTE CHECK ROUTE CODES	K2127500
002FD4	07F4			16366	BR WC GO TO FUNCTION ROUTINE	K2128000
002FD6				16368	CDQHLDE DS 0H DISPLAY HOLD COUNT	K2129000
002FD6	D204 D0BB 8B5D	000BB	032C9	16369	MVC COMMAND+5(5),=CL5'HOLD' SET QUEUE TYPE IN MSG	K2129500
002FDC	4520 8916	03082		16370	BAL WA,CDQSIDNM PICK-UP SYSTEM NAME	K2130000
002FE0	D203 D0C0 F000	000C0	00000	16371	MVC COMMAND+10(L'QSESID),0(R15) SET NAME IN MSG	K2130500
002FE6	4100 000E	0000E		16372	LA R0,COMMAND+10+L'QSESID-COMMAND COMPUTE MSG LENGTH	K2131000
002FEA	9102 D21A	0021A		16373	TM CDNFLAG,CDNIND TEST FOR 'IND' REQUEST	K2131500
002FEE	4780 8890	02FFC		16374	BZ *+14 BR IF NO @OZ29819	K2132000
002FF2	D203 D0C4 8AEC	000C4	03258	16375	MVC COMMAND+10+L'QSESID(4),=C' IND' SET MESSAGE	K2132500
002FF8	4100 0012	00012		16376	LA R0,COMMAND+14+L'QSESID-COMMAND SET MSG LENGTH	K2133000
				16377	\$CWTO L=(R0) ISSUE REPLY TO OPERATOR @OZ29819	K2133500
002FFC				16378+	DS 0H Z0006000	
002FFC	4520 C07A	0007A		16379+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
003000	47F0 867A	02DE6		16380	B CDQSIDN BR TO TEST FOR END OF SCAN @OZ29819	K2133600
				16382	* END OF QUEUE SCAN	K2134500
003004	47F0 889C	03008		16384	CDQEND B *+4 DUMMY MESSAGE PREPARATION	K2135500
003008	58F0 B150	00150		16385	L R15,\$SSVT POINT TO SSVT	K2136000
00300C	5810 F3F0	003F0		16386	L R1,\$SVTGALC-SSVT(,R15) GET TRACK GROUPS ALLOCATED	K2136500
003010	5C00 8AF8	03264		16387	M R0,=F'100' ALLOW FOR PERCENTAGE	K2137000
003014	5D00 F3F4	003F4		16388	D R0,\$SVTGTOT-SSVT(,R15) DIVIDE BY TOTAL	K2137500
				16389	\$CFCVE VALUE=(R1) CONVERT TO PRINTABLE	K2138000
003018	1801			16390+	LR R0,R1 CJ018000	
00301A	45E0 C4BA	004BA		16391+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
00301E	D202 D0B6 D092	000B6	00092	16392	MVC COMMAND(3),COMDWORK+2 PLACE IN MESSAGE AREA	K2138500
003024	D219 D0B9 8B16	000B9	03282	16393	MVC COMMAND+3(26),=C' PERCENT SPOOL UTILIZATION'	K2139000
				16394	\$CRET L=29 RETURN WITH LAST MESSAGE	K2139500
00302A				16395+	DS 0H Z0006000	
00302A	4100 001D	0001D		16396+	LA R0,29 K0124500	
00302E	41F0 0008	00008		16397+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
003032	47F0 C1AC	001AC		16398+	B CORET RETURN	K0137500
				16400	* ROUTE CODE RANGE CHECK ROUTINE	K2140500
003036	D501 100C D1E2	0000C	001E2	16402	CDQCKRTE CLC JQEPRTTRT,CDQRBNDL CHECK PRINT AGAINST LOW BOUND	K2141500
00303C	4740 88DC	03048		16403	BL CDQCKRTU TRY PUNCH IF PRINT TOO LOW	K2142000
003040	D501 100C D1E0	0000C	001E0	16404	CLC JQEPRTTRT,CDQRBNDH CHECK PRINT AGAINST HIGH BOUND	K2142500
003046	07DE			16405	BNHR R14 RETURN IF OK	K2143000
003048	D501 100E D1E2	0000E	001E2	16406	CDQCKRTU CLC JQEPUNRT,CDQRBNDL CHECK AGAINST LOW BOUND	K2143500
00304E	4740 85F6	02D62		16407	BL CDQNXNT LOOP	K2144000
003052	D501 100E D1E0	0000E	001E0	16408	CLC JQEPUNRT,CDQRBNDH CHECK PUNCH AGAINST HIGH BOUND	K2144500
003058	07DE			16409	BNHR R14 RETURN IF 'OK'	K2145000
00305A	47F0 85F6	02D62		16410	B CDQNXNT ELSE GET NEXT JQE ELEMENT	K2145500
				16412	* CHECK FOR AFFINITY IN DESIRED RANGE	K2146500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
00305E				16413	CDQCKSID DS 0H	CHECK FOR SID MATCH K2147000
00305E	43F0 1005	00005		16414	IC R15,JQEFLAG2	GET SID AFFINITY FLAGS K2147500
003062	917F D1E4	001E4		16415	TM CDQSIDLO,QUESYSAF	TEST FOR ANY REQUEST K2148000
003066	47E0 8908	03074		16416	BNO CDQSIDS	NO--LOOK FOR SPECIFIC OR 'ALL' K2148500
00306A	BDF1 D1E4	001E4		16417	CLM R15,1,CDQSIDLO	TEST FOR 'ANY' AFFINITY K2149000
00306E	4770 85F6	02D62		16418	BNE CDQNXT	NO--RETURN TO GET NEXT JOB K2149500
003072	07FE			16419	BR R14	YES--RETURN OK K2150000
003074				16420	CDQSIDS DS 0H	CHECK FOR SPECIFIC SID OR 'ALL' K2150500
003074	43F0 D1E4	001E4		16421	IC R15,CDQSIDLO	GET CURRENT AFFINITY K2151000
003078	44F0 89D6	03142		16422	EX R15,CDNQTEST	TEST FOR JOB WITH SAME K2151500
00307C	47E0 85F6	02D62		16423	BNO CDQNXT	NO GET NEXT JOB K2152000
003080	07FE			16424	BR R14	YES--RETURN OK K2152500
				16426	* COMPUTE SID NAME OFFSET FOR MESSAGE	K2153500
003082				16427	CDQSIDNM DS 0H	PICK-UP AFFINITY OF JOBS K2154000
003082	917F D1E4	001E4		16428	TM CDQSIDLO,QUESYSAF	TEST FOR 'ANY' REQUEST K2154500
003086	47E0 8924	03090		16429	BNO CDQSPECA	NO--GET SPECIFIC AFFINITY K2155000
00308A	41F0 8AF0	0325C		16430	LA R15,=CL4'ANY'	SET ADDRESS OF 'ANY' AFF K2155500
00308E	07F2			16431	BR WA	AND RETURN K2156000
003090				16432	CDQSPECA DS 0H	REQUEST IS FOR SPECIFIC AFF K2156500
003090	1FFF			16433	SLR R15,R15	ZERO INSERT REGISTER K2157000
003092	18EF			16434	LR R14,R15	ZERO COUNT REGISTER K2157500
003094	43F0 D1E4	001E4		16435	IC R15,CDQSIDLO	PICK-UP AFFINITY BIT K2158000
003098	54F0 8AFC	03268		16436	N R15,=A(127)	TURN 'OFF'POSSIBLE 'IND' BIT K2158500
00309C	41E0 E001	00001		16437	LA R14,1(,R14)	COUNT ONE FOR EACH AFF BIT K2159000
0030A0	8AF0 0001	00001		16438	SRA R15,1	SHIFT OUT ONE BIT K2159500
0030A4	4770 8930	0309C		16439	BNZ *-8	AND COUNT FOR EACH BIT MOVED OUT K2160000
0030A8	58F0 B1DC	001DC		16440	L R15,\$QSE1	POINT TO 1ST QSE R4 K2160500
0030AC	06E0			16441	BCTR R14,0	LESS ONE FOR DISPLACEMENT K2161000
0030AE	4CE0 8B30	0329C		16442	MH R14,=AL2(QSELEN)	TIMES ELEMENT SIZE @OZ27300 K2161500
0030B2	1EEF			16443	ALR R14,R15	PLUS BEG ADDR EQUALS ELEMENT ADDR K2162000
			00000	16444	USING QSEDECT,R14	QSE ADDRESSABILITY K2162500
0030B4	41F0 E008	00008		16445	LA R15,QSESID	POINT TO SYSTEM NAME FOR AFFINITY K2163000
0030B8	07F2			16446	BR WA	AND RETURN K2163500
				16447	DROP R14	DROP QSE ADDRESSABILITY K2164000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				16449	*****		K2165000
				16450	*		* K2165500
				16451	* \$D N ITEM PROCESSING		* K2166000
				16452	*		* K2166500
				16453	*****		K2167000
0030BA				16454	CDNCTR DS 0H	CHECK FOR \$DN DISPLAY	K2167500
0030BA	D501 D1E6 8A5E	001E6	031CA	16455	CLC CDQSEE(L'CDQPPUD),CDQPPUD	THIS PPU SEARCH ELEMENT R41	K2169800
0030C0	4780 897C	030E8		16456	BE CDNOTALL	YES--SKIP TESTS R41	K2169900
0030C4	9101 D21A	0021A		16457	TM CDNFLAG,CDNALL	TEST FOR 'ALL' REQUEST	K2170000
0030C8	4780 897C	030E8		16458	BZ CDNOTALL	NO -- SKIP TESTS	K2170500
0030CC	1FFF			16459	SLR R15,R15	ZERO INSERT REGISTER	K2171000
0030CE	43F0 D1E4	001E4		16460	IC R15,CDQSIDLO	PICK-UP CURRENT AFFINITY BIT	K2171500
0030D2	54F0 8AFC	03268		16461	N R15,=A(127)	TURN 'OFF' POSSIBL 'IND' BIT	K2172000
0030D6	44F0 89D6	03142		16462	EX R15,CDNQTEST	TST FOR JOB OF DESIRED AFFN	K2172500
0030DA	4780 85F6	02D62		16463	BZ CDQNXT	NO--GET NEXT JOB	K2173000
0030DE	06F0			16464	BCTR R15,0	HAS THE JOB BEEN	K2173500
0030E0	44F0 89D6	03142		16465	EX R15,CDNQTEST	PREVIOUSLY DISPLAYED	K2174000
0030E4	4770 85F6	02D62		16466	BNZ CDQNXT	IF SO --GET NEXT JOB	K2174500
0030E8				16467	CDNOTALL DS 0H	COME HERE FOR NOT 'ALL ' REQ	K2175000
0030E8	1851			16468	LR WD,R1	SAVE JQE ADDR FOR NEXT JOB SCAN	K2175500
				16469	\$CFJMSG OPT=COFQ	DISPLAY QUEUED JOBS	K2176000
0030EA	92E7 D117	00117		16470+	MVI COFOPT,COFQ	SET OPTION	K0750000
0030EE	927F D118	00118		16471+	MVI COFAFF,X'7F'	SET FOR ALL SYSTEMS ACTIVE	K0751500
0030F2	58A0 8AE0	0324C		16472+	L R10,=A(COFJMSG)	POINT TO SERVICE ROUTINE R4	K0752500
0030F6	052A			16473+	BALR WA,R10	CALL JOB INFORMATION MSG ROUTINE R4	K0753000
0030F8	4700 0000	00000		16474	NOP *-*	SPACER TO PREVENT FUTURE ERROR	K2176500
				16475	*	THIS LINE DELETED BY APAR NUMBER @OZ29819	K2177000
				16476	* EACH \$CWTO MAY ISSUE A \$WAIT THUS GIVING OTHER PROCESSORS A CHANCE		K2177500
				16477	* TO ALTER THE JOB QUEUE CHAIN FOR THE CURRENT ENTRY		K2178000
0030FC	BF17 D1E8	001E8		16478	ICM R1,7,CDQTYPLO	GET ADDRESS OF QUEUE TYPE @OZ29819	K2178500
003100	1FFF			16479	SLR R15,R15	CLEAR FOR INSERT @OZ29819	K2178600
003102	43F0 1000	00000		16480	IC R15,0(,R1)	GET QUEUE TYPE @OZ29819	K2178700
				16481	\$CFJSCAN PROCESS=CDNPRO,NEXT=CDNNTX,QUEUE=(R15)	@OZ29819	K2179000
				16482+	*****		K1045000
				16483+	* SCAN JOB QUEUE FOR SELECTED JOBS		* K1045500
				16484+	*****		K1046000
003106	5810 8ADC	03248		16485+	L R1,=V(\$QINDEX)	GET ADDR OF JOB QUEUE INDEX @OZ29819	K1048300
00310A	43F1 F000	00000		16486+	IC R15,0(R1,R15)	GET OFFSET OF QUEUE HEAD @OZ29819	K1048400
00310E	411F B54E	0054E		16487+	CJS0451A LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4	K1051500
003112	4810 1006	00006		16488+	CDNNTX LH R1,JQECHAIN	GET OFFSET OF NEXT JQE R4	K1055500
003116	5410 8AC4	03230		16489+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4	K1056000
00311A	4780 89BE	0312A		16490+	BZ CJS0451C	BR IF END OF QUEUE R4	K1056500
00311E	8910 0002	00002		16491+	SLL R1,2	GET TRUE R4	K1057000
003122	5E10 B1C0	001C0		16492+	AL R1,\$JOBQPTR	JQE ADDRESS R4	K1057500
003126	47F0 89CC	03138		16493+	B CDNPRO	AND ENTER PROCESS ROUTINE R4	K1058000
00312A				16494+	CJS0451C DS 0H	@OZ29819	K1058200
00312A	D20E D0B6 8B39	000B6	032A5	16495	MVC COMMAND(15),=C'LIST INCOMPLETE'	SET MSG	K2179500
003130	4100 000F	0000F		16496	LA R0,15	SET LENGTH	K2180000
003134	47F0 8622	02D8E		16497	B CDQRES	RESPOND	K2180500
003138	1915			16498	CDNPRO CR R1,WD	DO THE POINTERS MATCH	K2181000
00313A	4770 89A6	03112		16499	BNE CDNNTX	NEXT ELEMENT UNTIL END OR MATCH	K2181500
				16500	*	THIS LINE DELETED BY APAR NUMBER @OZ29819	K2182000
				16501	*	THIS LINE DELETED BY APAR NUMBER @OZ29819	K2182500
00313E	47F0 85F6	02D62		16502	B CDQNXT	NEXT ELEMENT (CHAIN OK)	K2183000
003142	9100 1005	00005		16503	CDNQTEST TM JQEFLAG2,*-*	**** EXECUTE ONLY ****	K2183500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				16505	*****		K2184500
				16506	*		* K2185000
				16507	* \$D Q ITEM PROCESSING		* K2185500
				16508	*		* K2186000
				16509	*****		K2186500
003146	4970 8A68	031D4		16510	CDQCTR CH WF,CDQHLLD 'Q=HOLD' SPECIFIED...	@OZ29819	K2186600
00314A	4780 8A22	0318E		16511	BE CDQCTHLD BR IF YES	@OZ29819	K2186700
00314E	4160 6001	00001		16512	LA WE,1(,WE) INCREMENT COUNTER	@OZ46253	K2186800
003152	9501 1001	00001		16513	CLI JQETYPE,\$HARDCPY IS THIS JQE FOR HARDCOPY..	@OZ46253	K2186900
003156	4770 8A02	0316E		16514	BNE CDQCTRA NO, DO NOT RE-SCAN	@OZ46253	K2187000
00315A	D501 100C D1DE	0000C	001DE	16515	CLC JQEPRTTRT,CDQSLO PRINT CURRENT LOW...	@OZ46253	K2187010
003160	4720 8A2A	03196		16516	BH CDQCTRB CHECK FOR NEXT HIGHER.	@OZ46253	K2187020
003164	D501 100E D1DE	0000E	001DE	16517	CLC JQEPUNRT,CDQSLO PUNCH CURRENT LOW...	@OZ46253	K2187030
00316A	4720 8A3A	031A6		16518	BH CDQCTRC CHECK FOR NEXT HIGHER.	@OZ46253	K2187040
00316E				16519	CDQCTRA DS 0H	@OZ46253	K2187050
00316E	9108 D21A	0021A		16520	TM CDNFLAG,CDNTYPE 'Q=' SPECIFIED...	@OZ29819	K2187100
003172	4710 85F6	02D62		16521	BO CDQNXT BR IF YES	@OZ29819	K2187200
003176	91E0 1004	00004		16522	TM JQEFLAGS,QUEHOLDA+QUEHOLD1+QUEHOLD2 JOB HELD...	@OZ29819	K2187300
00317A	4780 85F6	02D62		16523	BZ CDQNXT BR IF NO	@OZ29819	K2187400
00317E	9107 1004	00004		16524	TM JQEFLAGS,QUEBUSY JOB ACTIVE...	@OZ29819	K2187500
003182	4770 85F6	02D62		16525	BNZ CDQNXT BR IF YES	@OZ29819	K2187600
003186	45E0 88CA	03036		16526	BAL R14,CDQCKRTE CHECK ROUTE CODES	@OZ29819	K2187700
00318A	45E0 88F2	0305E		16527	BAL R14,CDQCKSID CHECK AFFINITY	@OZ29819	K2187800
00318E	41A0 A001	00001		16528	CDQCTHLD LA R10,1(,R10) OK -- BUMP HOLD COUNT	@OZ29819	K2187900
003192	47F0 85F6	02D62		16529	B CDQNXT GO TO NEXT ENTRY		K2188000
003196				16530	CDQCTRB DS 0H	@OZ46253	K2188100
003196	4930 100C	0000C		16531	CH WB,JQEPRTTRT HIGHER THAN HI BOUND...	@OZ46253	K2188110
00319A	4740 8A02	0316E		16532	BL CDQCTRA CONTINUE IF YES.	@OZ46253	K2188120
00319E	4830 100C	0000C		16533	LH WB,JQEPRTTRT SET NEW HI BOUND.	@OZ46253	K2188130
0031A2	47F0 8A46	031B2		16534	B CDQCTRD GO SET RE-SCAN.	@OZ46253	K2188140
0031A6				16535	CDQCTRC DS 0H	@OZ46253	K2188150
0031A6	4930 100E	0000E		16536	CH WB,JQEPUNRT HIGHER THAN HI BOUND...	@OZ46253	K2188160
0031AA	4740 8A02	0316E		16537	BL CDQCTRA CONTINUE IF YES.	@OZ46253	K2188170
0031AE	4830 100E	0000E		16538	LH WB,JQEPUNRT SET NEW HI BOUND.	@OZ46253	K2188180
0031B2				16539	CDQCTRD DS 0H	@OZ46253	K2188190
0031B2	9610 D21A	0021A		16540	OI CDNFLAG,CDNRSCAN FORCE RE-SCAN.	@OZ46253	K2188200
0031B6	47F0 85F6	02D62		16541	B CDQNXT CONTINUE	@OZ46253	K2188210

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22	
		031BA	16543	CDQS	EQU	*		K2189000
			16544	*		THIS LINE DELETED BY APAR NUMBER	@OZ29819	K2189500
0031BA	06B20031E600320C		16545	CDQXEQD	DC	AL2(CDQXEQ-CDQB),AL3(CDQTYPEC,CDQTYPE9)	@OZ29819	K2190000
0031C2	07880031E00031E0		16546	CDQOUTD	DC	AL2(CDQOUT-CDQB),AL3(CDQTYPEO,CDQTYPEO)	@OZ29819	K2192000
0031CA	07700031E00031E1		16547	CDQPPUD	DC	AL2(CDQPPU-CDQB),AL3(CDQTYPEO,CDQTYPEP)	@OZ29819	K2192100
0031D2	0898		16548	CDQENDD	DC	AL2(CDQEND-CDQB)	@OZ29819	K2192200
		0001A	16549	CDQSL	EQU	*-CDQS	@OZ29819	K2192300
0031D4	084C0031E000320C		16550	CDQHLLD	DC	AL2(CDQHLD-CDQB),AL3(CDQQTYP,CDQTYPE9)	@OZ29819	K2192400
0031DC	01FF0000		16551	CDQRALLD	DC	AL2(1*256+\$MAXRJE,0) DEFAULT ROUTE RANGE	@OZ29819	K2192500
		031E0	16553	CDQQTYP	EQU	* VALID JOB QUEUE TYPES	@OZ29819	K2192800
0031E0	02		16554	CDQTYPEO	DC	AL1(\$OUTPUT)	@OZ29819	K2192900
0031E1	01		16555	CDQTYPEP	DC	AL1(\$HARDCPY)	@OZ29819	K2193000
0031E2	04		16556	CDQTYPER	DC	AL1(\$RECEIVE)	@OZ29819	K2193100
0031E3	08		16557	CDQTYPET	DC	AL1(\$SETUP)	@OZ29819	K2193200
0031E4	10		16558	CDQTYPEX	DC	AL1(\$XMIT)	@OZ29819	K2193300
0031E5	20		16559	CDQTYPEI	DC	AL1(\$INPUT)	@OZ29819	K2193400
0031E6	40		16560	CDQTYPEC	DC	AL1(\$XEQ)	@OZ29819	K2193500
0031E7	50		16561	CDQTYPE\$	DC	AL1(CATSTCCL-X'80')	@OZ29819	K2193600
0031E8	60		16562	CDQTYPE@	DC	AL1(CATTSUCL-X'80')	@OZ29819	K2193700
0031E9	41424344445464748		16563	CDQTYPEA	DC	9AL1(C'A'-X'80'+*-CDQTYPEA)	@OZ29819	K2193800
0031F2	5152535455565758		16564	CDQTYPEJ	DC	9AL1(C'J'-X'80'+*-CDQTYPEJ)	@OZ29819	K2193900
0031FB	6263646566676869		16565	CDQTYPE\$	DC	8AL1(C'S'-X'80'+*-CDQTYPE\$)	@OZ29819	K2194000
003203	7071727374757677		16566	CDQTYPE0	DC	10AL1(C'0'-X'80'+*-CDQTYPE0)	@OZ29819	K2194100
		0320C	16567	CDQTYPE9	EQU	*-1	@OZ29819	K2194200
		001DC	16569	CDQSHI	EQU	COMREGSV,2 SCAN HIGH VALUE	@OZ29819	K2194400
		001DE	16570	CDQSLO	EQU	COMREGSV+2,2 SCAN LOW VALUE	@OZ29819	K2194500
		001E0	16571	CDQDEFR	EQU	CDQSLO+L'CDQSLO,4 ROUTE CODE RANGE	@OZ29819	K2194600
		001E0	16572	CDQRBNDH	EQU	CDQDEFR,2 HIGH BOUND R4	K2195000	
		001E2	16573	CDQRBNDL	EQU	CDQDEFR+2,2 LOW BOUND R4	K2195500	
		001E4	16574	CDQSIDLO	EQU	CDQDEFR+4,1 SID LOW VALUE R4	K2196000	
		001E5	16575	CDQSIDHI	EQU	CDQDEFR+5,1 SID HIGH VALUE R4	K2196500	
		001E6	16576	CDQSE	EQU	CDQDEFR+6,CDQSL AREA FOR SCAN ELEMENTS R4	K2197000	
		001E6	16577	CDQSEE	EQU	CDQSE,8 FIRST SCAN ELEMENT @OZ29819	K2197500	
		001E8	16578	CDQTYPLO	EQU	CDQSEE+2,3 FIRST QUEUE @OZ29819	K2198000	
		001EB	16579	CDQTYPHI	EQU	CDQSEE+5,3 LAST QUEUE @OZ29819	K2198500	
		001EE	16580	CDQSECD	EQU	CDQSEE+L'CDQSEE,L'CDQSEE SECOND SCAN ELEMENT @OZ29819	K2199000	
			16581			PRINT OFF - SECTION DELETED @OZ29819	K2199500	
			16590			PRINT ON -- SECTION DELETED @OZ29819	K2204000	
00320D	5B40E2E3C340		16591	CDQTSKID	DC	AL1(CATSTCID),CL5' STC' MESSAGE FOR SYSTEM TASK		K2204500
003213	7C40E3E2E440		16592	CDQLOGID	DC	AL1(CATTSUID),CL5' TSU' MESSAGE FOR TIME SHARING USER		K2205000
		00200	16593	CDQSESAV	EQU	CDQSE+CDQSL,CDQSL SAVE AREA FOR \$DN,Q ELEMENTS		K2205500
		0021A	16594	CDNFLAG	EQU	CDQSESAV+CDQSL,1 \$DN FLAG BYTE R4	K2206000	
		00001	16595	CDNALL	EQU	X'01' FLAG FOR 'ALL' REQUEST		K2206500
		00002	16596	CDNIND	EQU	X'02' FLAG FOR 'IND' REQUEST		K2207000
		00004	16597	CDNROUT	EQU	X'04' FLAG FOR ROUTE RANGE R4	K2207500	
		00008	16598	CDNTYPE	EQU	X'08' FLAG FOR QUEUE TYPE R4	K2208000	
		00020	16599	CDNFLGN	EQU	X'20' \$DN SPECIFIED @OZ29819	K2208300	
		00010	16600	CDNRSCAN	EQU	X'10' RE-SCAN CURRENT QUEUE @OZ29819	K2208400	
		0276C	16601	CDQB	EQU	HASPCJB1 BASE FOR SUB-COMMAND OFFSETS		K2208500
003219	0001020408102040		16602	CDQQSEAF	DC	X'0001020408102040' QSE AFFINITIES R4	K2209000	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
003228				16604	LTORG ,	@OZ29819 K2209200
003228	D9C5D3C5C1E2C5C4			16605	=C'RELEASED'	
003230	0000FFFF			16606	=A(X'0000FFFF')	
003234	D5D640D1D6C2E240			16607	=C'NO JOBS HELD'	
003240	00001A48			16608	=A(CVALIDTB)	
003244	000000C0			16609	=A(X'C0')	
003248	00000000			16610	=V(\$QINDEX)	
00324C	00001426			16611	=A(COFJMSG)	
003250	C8D6D3C4			16612	=C'HOLD'	
003254	00000040			16613	=A(X'40')	
003258	40C9D5C4			16614	=C' IND'	
00325C	C1D5E840			16615	=CL4'ANY'	
003260	D6E4E340			16616	=CL4'OUT'	
003264	00000064			16617	=F'100'	
003268	0000007F			16618	=A(127)	
00326C	D5D640C1C3E3C9E5			16619	=C'NO ACTIVE JOBS'	
00327A	0004			16620	=H'4'	
00327C	E7C5D8405C40			16621	=CL6'XEQ *'	
003282	40D7C5D9C3C5D5E3			16622	=C' PERCENT SPOOL UTILIZATION'	
00329C	0014			16623	=AL2(QSELEN)	
00329E	C1D3D3			16624	=C'ALL'	
0032A1	7F			16625	=AL1(QUESYSAF)	
0032A2	200201			16626	=AL1(\$INPUT,\$OUTPUT,\$HARDCPY)	
0032A5	D3C9E2E340C9D5C3			16627	=C'LIST INCOMPLETE'	
0032B4	C1D5E8			16628	=C'ANY'	
0032B7	C9D5C4			16629	=C'IND'	
0032BA	E7C5D8			16630	=C'XEQ'	
0032BD	E2E3C3			16631	=C'STC'	
0032C0	E3E2E4			16632	=C'TSU'	
0032C3	D6E4E3			16633	=C'OUT'	
0032C6	D7D7E4			16634	=C'PPU'	
0032C9	C8D6D3C440			16635	=CL5'HOLD'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				16637	HASPCJ1A \$COMGRUP DF,OQ,PQ	MORE JOB QUEUE COMMANDS	@OZ29819 K2209700
0032CE				16638+	HASPCJ1A DS 0H		K0088500
		032CE		16639+	USING *,BASE3	ADDRESSABILITY	K0089000
0032CE	07F1			16640+	BR R1	GO TO SUB-PROCESSOR SELECTED	K0091000
				16642	*****		K2210000
				16643	*		* K2210500
				16644	* \$D F,D=H/A,JOB=JN-NN,R=DEST1-DEST2		* K2211000
				16645	* (NO H OR A = RELEASED JOBS ONLY)		* K2211500
				16646	*		* K2212000
				16647	*****		K2212500
0032D0				16648	CDF DS 0H		R4 K2213000
0032D0	45E0 C938	00938		16649	BAL LINK,COFRD	SET DEFAULT ROUTE RANGES	R4 K2213500
0032D4	1821			16650	LR WA,R1	SAVE LOW BOUND ONLY	R4 K2214000
0032D6	9220 D188	00188		16651	MVI COMPNTER,CDFRELJ	DISPLAY ONLY NON-HELD JOBS	R4 K2214500
0032DA	1832			16652	LR WB,WA	COPY ROUTING	K2215000
0032DC	1B44			16653	SR WC,WC	SET DEFAULT LOW JOB NUMBER	K2215500
0032DE	48A0 884A	03B18		16654	LH R10,=H'32767'	SET DEFAULT HIGH	K2216000
0032E2	8656 80BC	0338A		16655	CDFNSPEC BXH WD,WE,CDFOK	IF NO MORE EXIT	K2216500
0032E6	5810 5000	00000		16656	L R1,0(,WD)	POINT TO OPERAND	R4 K2217000
0032EA	957E 1001	00001		16657	CLI 1(R1),C'='	THIS EQUAL	R4 K2217500
0032EE	4770 8334	03602		16658	BNE CDFINVO	ERROR IF NOT	R4 K2218000
				16659	\$CFSEL (D,CDFHA),(J,CDFJ),(R,CDFR)	SELECT OPERAND ROUTINE	R4 K2218500
0032F2				16660+	DS 0H		Z0006000
0032F2	95C4 1000	00000		16661+	CLI 0(R1),C'D'	TEST CHARACTER	R4 K1097000
0032F6	4780 8040	0330E		16662+	BE CDFHA	BR IF MATCH	R4 K1097500
0032FA	95D1 1000	00000		16663+	CLI 0(R1),C'J'	TEST CHARACTER	R4 K1097000
0032FE	4780 8054	03322		16664+	BE CDFJ	BR IF MATCH	R4 K1097500
003302	95D9 1000	00000		16665+	CLI 0(R1),C'R'	TEST CHARACTER	R4 K1097000
003306	4780 8084	03352		16666+	BE CDFR	BR IF MATCH	R4 K1097500
00330A	47F0 8334	03602		16667	B CDFINVO	ERROR EXIT	R4 K2219000
00330E	95C1 1002	00002		16668	CDFHA CLI 2(R1),C'A'	THIS DISPLAY ALL	R4 K2219500
003312	4780 80B4	03382		16669	BE CDFSETA	SET ALL IF YES	R4 K2220000
003316	95C8 1002	00002		16670	CLI 2(R1),C'H'	THIS DISPLAY HELD ONLY	R4 K2220500
00331A	4780 80AC	0337A		16671	BE CDFSETH	SET HELD ONLY IF YES	R4 K2221000
00331E	47F0 8334	03602		16672	B CDFINVO	ERROR EXIT	R4 K2221500
				16673	CDFJ \$CFCVB POINTER=(WD),NOK=CDFINVO,NUM=2		R4 K2222000
003322				16674+	CDFJ DS 0H		Z0006000
003322	1815			16675+	LR R1,WD		CJ018000
003324	45E0 C456	00456		16676+	BAL LINK,COFCVB	CONVERT NUMBERS TO BINARY	K0193500
003328	47F0 8334	03602		16677+	B CDFINVO	BRANCH IF OPERAND INVALID	K0196500
00332C	1211			16678	LTR R1,R1	JOB ZERO	R4 K2222500
00332E	4780 8334	03602		16679	BZ CDFINVO	ERROR IF YES	R4 K2223000
003332	58F0 5000	00000		16680	L R15,0(,WD)	POINT TO OPERAND	R4 K2223500
003336	95D1 F002	00002		16681	CLI 2(R15),C'J'	IS THIS JOB	R4 K2224000
00333A	4780 80A4	03372		16682	BE CDFSETJ	SET JOB IF YES	R4 K2224500
00333E	95E2 F002	00002		16683	CLI 2(R15),C'S'	IS IT STC	R4 K2225000
003342	4780 809C	0336A		16684	BE CDFSETS	SET STC IF YES	R4 K2225500
003346	95E3 F002	00002		16685	CLI 2(R15),C'T'	IS IT TSU	R4 K2226000
00334A	4780 8094	03362		16686	BE CDFSETT	SET TSU IF YES	R4 K2226500
00334E	47F0 8334	03602		16687	B CDFINVO	ERROR EXIT	R4 K2227000
003352	45E0 C978	00978		16688	CDFR BAL LINK,COFRTRA	CONVERT DESTINATION RANGE	R4 K2227500
003356	47F0 8334	03602		16689	B CDFINVO	ERROR + 0	R4 K2228000
00335A	1820			16690	LR WA,R0	SAVE ROUTE + 4	R4 K2228500
00335C	1831			16691	LR WB,R1	LIMITS	K2229000
00335E	47F0 8014	032E2		16692	B CDFNSPEC	LOOP TO NEXT SPECIFICATION	K2229500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
003362	4A10 884C	03B1A		16693	CDFSETT	AH R1,=H'10000'	UP BASE FOR TSU K2230000
003366	4A00 884C	03B1A		16694		AH R0,=H'10000'	UP BASE K2230500
00336A	4A10 884C	03B1A		16695	CDFSETS	AH R1,=H'10000'	UP BASE FOR TSU OR STC K2231000
00336E	4A00 884C	03B1A		16696		AH R0,=H'10000'	UP BASE K2231500
003372	1841			16697	CDFSETJ	LR WC,R1	SAVE JOB K2232000
003374	18A0			16698		LR R10,R0	LIMITS K2232500
003376	47F0 8014	032E2		16699		B CDFNSPEC	GET NEXT SPECIFICATION K2233000
00337A	9210 D188	00188		16700	CDFSETH	MVI COMPNTER,CDFHOLD	SET HOLD FLAG TEMPORILY K2233500
00337E	47F0 8014	032E2		16701		B CDFNSPEC	GET NEXT SPECIFICATION K2234000
003382	9230 D188	00188		16702	CDFSETA	MVI COMPNTER,CDFRELJ+CDFHOLD	SET TO DISPLAY ALL JOBS K2234500
003386	47F0 8014	032E2		16703		B CDFNSPEC	GET NEXT SPECIFICATION K2235000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16705	*****	K2236000
				16706	*	* K2236500
				16707	* PREPARE TO SCAN JOES FOR EACH ROUTE CODE	* K2237000
				16708	*	* K2237500
				16709	*****	K2238000
		00000		16710	USING JOTDSECT,WF	K2238500
		00000		16711	USING JOEDSECT,R1	K2239000
00338A	4040 D1D0	001D0		16712	CDFOK STH WC,CDFLJOB SET LOW JOB	K2239500
00338E	40A0 D1D2	001D2		16713	STH R10,CDFHJOB SET HIGH JOB	K2240000
003392	4020 D1DA	001DA		16714	STH WA,CDFEROUT SAVE END ROUTE	K2240500
003396	4030 D1D8	001D8		16715	STH WB,CDFCROUT SAVE STARTING ROUTE	K2241000
00339A	4150 D0F7	000F7		16716	LA WD,COMMAND+70-5 POINT TO LAST OUTPUT ELEMENT	K2241500
00339E	BF58 D188	00188		16717	ICM WD,8,COMPNTER PICK UP JOB TYPE FLAGS	K2242000
0033A2	5050 D1D4	001D4		16718	ST WD,CDFCOMPR-1+CDFFLAGS-CDFFLAGS SET PTR AND FLAGS	K2242500
0033A6	5870 B23C	0023C		16719	L WF,CDFJOT POINT TO JOT	K2243000
				16720	*	THIS LINE DELETED BY APAR @OZ20010 K2243100
				16721	*	THIS LINE DELETED BY APAR @OZ20010 K2243200
				16722	*	THIS LINE DELETED BY APAR @OZ20010 K2243300

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16724	*****	K2244000
				16725	*	* K2244500
				16726	* GET JOE AND PREPARE TO SCAN	* K2245000
				16727	*	* K2245500
				16728	*****	K2246000
0033AA	4110 7004	00004		16729	CDFNRROUT LA R1,JOECHRQ-(JOENEXT-JOEDSECT) QUEUE HEAD	K2246500
0033AE	4810 1000	00000		16730	LH R1,JOENEXT POINT TO NEXT JOE OFFSET	K2247000
0033B2	5410 8812	03AE0		16731	N R1,=A(X'0000FFFF')	K2247500
0033B6	4780 8300	035CE		16732	BZ CDFNOJOP LAST JOE -- EXIT	K2248000
0033BA	8910 0002	00002		16733	SLL R1,2 EXPAND TO BYTE OFFSET	R4 K2248500
0033BE	1E17			16734	ALR R1,WF COMPUTE ACTUAL JOE ADDRESS	K2249000
0033C0	D201 D1CE D1DA	001CE 001DA		16735	MVC CDFNXTLO,CDFEROUT SET NEXT LOW ROUTE CODE	@OZ29819 K2249100
0033C6	D218 D188 1004	00188 00004		16736	CDFMVCHR MVC CDFSETUP,JOESSETUP MOVE SETUP REQUIREMENTS	@OZ27300 K2249500
0033CC	4100 D0BB	000BB		16737	LA R0,CDFMR1 POINT TO OUTPUT ROUTING	R4 K2250000
0033D0	41F0 D1D8	001D8		16738	LA R15,CDFCROUT POINT TO CURRENT ROUTING	R4 K2250500
0033D4	45E0 C8EA	008EA		16739	BAL LINK,COFRTC CONVERT TO PRINTABLE	R4 K2251000
0033D8	D205 D0B6 884E	000B6 03B1C		16740	MVC CDFMID,=C'OUT R=' SET MESSAGE HEADER	R4 K2251500
0033DE	D21E D0C5 8866	000C5 03B34		16741	MVC CDFMB,=C'F=XXXX C=XXXX T=XXXX W= (NONE) ' BASE MSG	R4 K2252000
0033E4	D203 D0C7 D188	000C7 00188		16742	MVC CDFMBF,CDFORMS SET FORMS	R4 K2252500
0033EA	D203 D0CE D18C	000CE 0018C		16743	MVC CDFMBC,CDFFCB SET CARRIAGE	R4 K2253000
0033F0	D203 D0D5 D190	000D5 00190		16744	MVC CDFMBT,CDFUCS SET TRAIN	R4 K2253500
0033F6	9540 D194	00194		16745	CLI CDFWTR,C' ' WRITER BLANK	R4 K2254000
0033FA	4780 8136	03404		16746	BE SKIP120 SKIP NEXT	R4 K2254500
0033FE	D207 D0DC D194	000DC 00194		16747	MVC CDFMBW,CDFWTR SET WRITER NAME	R4 K2255000
003404	4150 D0E4	000E4		16748	SKIP120 LA WD,CDFMB+L'CDFMB POINT TO NEXT MSG AREA	R4 K2255500
003408	D503 D19C 8816	0019C 03AE4		16749	CLC CDFFLASH,=C'****' TEST FOR FLASH SPECIFIED	R4 K2256000
00340E	4780 8154	03422		16750	BE CDFTBURST BR IF NOT	R4 K2256500
003412	D202 5000 8885	00000 03B53		16751	MVC 0(3,WD),=C' O=' SET FLASH PREFIX	R4 K2257000
003418	D203 5003 D19C	00003 0019C		16752	MVC 3(L'CDFFLASH,WD),CDFFLASH SET FLASH FRAME ID	R4 K2257500
00341E	4150 5007	00007		16753	LA WD,3+L'CDFFLASH(,WD) POINT TO NEXT MSG AREA	R4 K2258000
003422	9180 D1A0	001A0		16754	CDFTBURST TM CDFCFLAG,\$JOEBURST TEST FOR BURST=YES	R4 K2258500
003426	4780 8166	03434		16755	BZ SKIP130 BR IF NOT	R4 K2259000
00342A	D203 5000 881A	00000 03AE8		16756	MVC 0(4,WD),=C' B=Y' SET BURST=YES IN MSG	R4 K2259500
003430	4150 5004	00004		16757	LA WD,4(,WD) POINT TO NEXT MSG AREA	R4 K2260000
003434	D206 5000 8888	00000 03B56		16758	SKIP130 MVC 0(7,WD),=C' CLASS ' SET CLASS PREFIX	R4 K2260500
00343A	4150 5007	00007		16759	LA WD,7(,WD) POINT TO FIRST CLASS AREA	R4 K2261000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16761	*****	K2279500
				16762	*	* K2280000
				16763	* SCAN CLASS QUEUES	* K2280500
				16764	*	* K2281000
				16765	*****	K2281500
00343E	1B33			16766	SR WB,WB SET FOR CLASS A	K2282000
003440	47F0 8182	03450		16767	B CDFACLS PROCESS CLASS	K2283000
003444	4130 3002	00002		16768	CDFNCLS LA WB,2(0,WB) UP TO NEXT CLASS	K2283500
003448	4930 8854	03B22		16769	CH WB,=H'70' CHECK FOR MAX NBR CLASSES	K2284000
00344C	4720 82BA	03588		16770	BH CDFEJOE EXIT FOR THIS CHARACTERISTIC	K2284500
003450	D203 5001 881E	00001 03AEC		16771	CDFACLS MVC 1(4,WD),=C'='**,' SET PATTERN FOR CLASS	K2285000
				16772	*****	K2290500
				16773	*	* K2291000
				16774	* PASS THROUGH JOES FOR A CLASS	* K2291500
				16775	*	* K2292000
				16776	*****	K2292500
003456	1B00			16777	SR R0,R0 SET COUNT	K2293000
003458	4113 7008	00008		16778	LA R1,JOTCLSQ-(JOENEXT-JOEDSECT)(WB) POINT TO QUEUE	K2294000
00345C				16779	CDFNXTJO DS 0H GET ANOTHER JOE OF THE SAME CLS	K2294500
				16780	* THIS LINE DELETED BY APAR NUMBER @OZ29819	K2295000
00345C	4810 1000	00000		16781	LH R1,JOENEXT GET NEXT JOE OFFSET	K2295500
003460	5410 8812	03AE0		16782	N R1,=A(X'0000FFFF')	INSURE OFFSET IS POSITIVE K2296000
003464	4780 8278	03546		16783	BZ CDFECLS END--TRY NEXT CLASS	K2296500
003468	8910 0002	00002		16784	SLL R1,2 EXPAND TO BYTE OFFSET	R4 K2297000
00346C	1E17			16785	ALR R1,WF COMPUTE ACTUAL JOE ADDRESS	K2297500
00346E	9107 1004	00004		16786	TM JOEFLAG,\$JOEBUSY TEST FOR JOE BUSY	K2298000
003472	4770 818E	0345C		16787	BNZ CDFNXTJO IF BUSY FORGET IT	K2298500
003476	48E0 1010	00010		16788	LH R14,JOEJQE PICK-UP JQE OFFSET	K2299000
00347A	54E0 8822	03AF0		16789	N R14,=X'0000FFFF'	CLEAR LEFT HALFWORD @OZ37385 K2299200
00347E	89E0 0002	00002		16790	SLL R14,2 COMPUTE ACTUAL JQE OFFSET (* 4)	K2299500
003482	5EE0 B1C0	001C0		16791	AL R14,\$JOBQPTR COMPUTE JQE ADDRESS	K2300000
003486	91C0 E004	00004		16792	TM QUEFLAGS(R14),QUEHOLDA+QUEHOLD1 JOB HELD	K2300500
00348A	4780 81CC	0349A		16793	BZ CDFJBNH IF NOT TEST FOR DESIRES	K2301000
00348E	9110 D1D4	001D4		16794	TM CDFFLGAS,CDFHOLD DOES USER WANT HOLD	K2301500
003492	4780 818E	0345C		16795	BZ CDFNXTJO IF NOT FORGET IT	K2302000
003496	47F0 81D4	034A2		16796	B CDFCKR CHECK RANGE	K2302500
00349A	9120 D1D4	001D4		16797	CDFJBNH TM CDFFLGAS,CDFRELJ DOES USER WANT NON HELD	K2303000
00349E	4780 818E	0345C		16798	BZ CDFNXTJO IF NOT FORGET IT	K2303500
0034A2	D501 E002 D1D0	00002 001D0		16799	CDFCKR CLC QUEJOBNO(2,R14),CDFLJOB TEST FOR WITHIN RANGE	K2304000
0034A8	4740 818E	0345C		16800	BL CDFNXTJO IF LOW FORGET IT	K2304500
0034AC	D501 E002 D1D2	00002 001D2		16801	CLC QUEJOBNO(2,R14),CDFHJOB TEST FOR WITHIN RANGE	K2305000
0034B2	4720 818E	0345C		16802	BH CDFNXTJO IF HIGH FORGET IT	K2305500
0034B6	48F0 100C	0000C		16803	LH R15,JOEROUT GET THE ROUTE CODE	@OZ29819 K2306000
0034BA	12FF			16804	LTR R15,R15 INDIRECT ROUTE...	@OZ29819 K2306100
0034BC	4770 8224	034F2		16805	BNZ CDFNRTE IF NO, DO NORMAL ROUTE	@OZ29819 K2306500
0034C0	5010 D098	00098		16806	ST R1,COMWREGS SAVE JOE POINTER	K2307000
0034C4	4520 833C	0360A		16807	BAL WA,CDFCNVT CONVERT JOE DISP TO EBCDIC CLS	K2307500
0034C8	58F0 B150	00150		16808	L R15,\$SSVT POINT TO THE SSVT	K2308000
0034CC	41F0 F354	00354		16809	LA R15,\$SVSCAT-SSVT(,R15) GET ADDRESS OF SCAT	K2308500
0034D0	1EF1			16810	ALR R15,R1 COMPUTE THIS CLS LOCATION	K2309000
0034D2	5810 D098	00098		16811	L R1,COMWREGS RESTORE JOE POINTER	K2309500
0034D6	9180 F000	00000		16812	TM SCATFLAG-SCADSECT(R15),SCATPRNT TEST FOR NORM PRT	K2310000
0034DA	4710 8220	034EE		16813	BO CDFPRTRT YES--LOOK AT JQE PRT RTE	K2310500
0034DE	9140 F000	00000		16814	TM SCATFLAG-SCADSECT(R15),SCATPNCH TEST FOR NORM PNCH	K2311000
0034E2	4780 818E	0345C		16815	BZ CDFNXTJO NO -- SKIP FURTHER TESTS	K2311500
0034E6	48F0 E00E	0000E		16816	LH R15,QUEPUNRT(,R14) GET PUNCH ROUTE CODE	@OZ29819 K2312000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0034EA	47F0 8224	034F2		16817	B	CDFNRTE BR TO TEST ROUTE CODE	@OZ29819 K2312500
0034EE	48F0 E00C	0000C		16819	CDFPRTRT LH	R15,QUEPRTRT(,R14) GET PRINT ROUTE CODE	@OZ29819 K2313500
0034F2	49F0 D1D8	001D8		16821	CDFNRTE CH	R15,CDFCROUT CHECK AGAINST CURRENT RTE CD	@OZ29819 K2314500
0034F6	4740 818E	0345C		16822	BL	CDFNXTJO BR IF TOO LOW	@OZ29819 K2315000
0034FA	49F0 D1CE	001CE		16823	CH	R15,CDFNXTLO CHECK AGAINST NEXT LOW	@OZ29819 K2315500
0034FE	4720 818E	0345C		16824	BH	CDFNXTJO BR IF HIGHER	@OZ29819 K2316000
				16825	*	THIS LINE DELETED BY APAR NUMBER	@OZ29819 K2316500
003502	48E0 1008	00008		16826	LH	R14,JOECHAR GET CHARACTERISTIC JOE OFFSET	K2317000
003506	54E0 8812	03AE0		16827	N	R14,=A(X'0000FFFF') INSURE POSITIVE OFFSET	K2317500
00350A	89E0 0002	00002		16828	SLL	R14,2 EXPAND TO BYTE OFFSET	R4 K2318000
00350E	1EE7			16829	ALR	R14,WF POINT TO CHARACTERISTIC JOE	K2318500
003510	D518 D188 E004	00188	00004	16830	CLC	CDFSETUP,JOESETUP-JOEDSECT(R14) CHECK FOR MATCH	@OZ27300 K2319000
003516	4770 818E	0345C		16831	BNE	CDFNXTJO IF NOT FORGET IT	K2319500
00351A	49F0 D1D8	001D8		16832	CH	R15,CDFCROUT THIS AN EXACT HIT...	@OZ29819 K2319600
00351E	4780 8260	0352E		16833	BE	CDFINCR BR IF YES	@OZ29819 K2319700
003522	40F0 D1CE	001CE		16834	STH	R15,CDFNXTLO SET NEW NEXT LOW	@OZ29819 K2319800
003526	9608 D1D4	001D4		16835	OI	CDFFLAGS,CDFRSCAN INDICATE RE-SCAN REQUIRED	@OZ29819 K2319900
00352A	47F0 818E	0345C		16836	B	CDFNXTJO BR TO TEST NEXT JOE	@OZ29819 K2319910
00352E	41F0 0001	00001		16837	CDFINCR LA	R15,1 SET INCREMENT	@OZ29819 K2319920
003532	1A0F			16838	AR	R0,R15 UP 1	K2320000
003534	4900 8856	03B24		16839	CH	R0,=H'100' CHECK FOR OVERFLOW	K2320500
003538	4740 818E	0345C		16840	BL	CDFNXTJO LOOP	K2321000
00353C	D501 D1D8 D1DA	001D8	001DA	16841	CLC	CDFCROUT,CDFEROUT MORE ROUTE CODES TO TEST...	@OZ29819 K2323500
003542	4740 818E	0345C		16842	BL	CDFNXTJO BR IF YES	@OZ29819 K2323600

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22	
				16844	*****	K2324500	
				16845	*	* K2325000	
				16846	* PUT COUNT IN RESPONSE COUNT FIELD	* K2325500	
				16847	*	* K2326000	
				16848	*****	K2326500	
003546	1200			16849	CDFECLS LTR R0,R0 IS THIS ZERO	K2327000	
003548	4780 8176	03444		16850	BZ CDFNCLS IF ZERO DO NEXT CLASS	K2327500	
00354C	4900 8856	03B24		16851	CH R0,=H'100' TEST HIT COUNT @OZ29819	K2327600	
003550	47B0 8290	0355E		16852	BNL CDFOVF BR IF EXCEEDS 99 @OZ29819	K2327700	
				16853	\$CFCVE VALUE=(R0) CONVERT TO EBCDIC	K2328000	
003554	45E0 C4BA	004BA		16854+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000	
003558	D201 5002 D093	00002 00093		16855	MVC 2(2,WD),COMDWORK+3 INSERT COUNT	K2328500	
00355E	4520 833C	0360A		16856	CDFOVF BAL WA,CDFCNVT CONVERT JOE DISPL TO CLS CHAR	K2329500	
003562	4210 5000	00000		16857	STC R1,0(0,WD) STORE RESULT	K2330000	
003566	4150 5005	00005		16858	LA WD,5(0,WD) UP TO NEXT	K2332000	
00356A	96C0 D1D4	001D4		16859	OI CDFFLGAS,CDFJOEOK+CDFSOMJO SET FLAGS	K2332500	
00356E	BD57 D1D5	001D5		16860	CLM WD,7,CDFCOMPR CHECK FOR OUTPUT REQUIRED	K2333000	
003572	47D0 8176	03444		16861	BNH CDFNCLS IF NOT GO TO NEXT CLASS	K2333500	
003576	4540 8322	035F0		16862	BAL WC,CDFPRNT DISPLAY MESSAGE	K2334000	
00357A	D205 D0B6 8858	000B6 03B26		16863	MVC CDFMCC,=C'CLASS ' SET CONTINUATION CLASS R4	K2334500	
003580	4150 D0BC	000BC		16864	LA WD,CDFMCC POINT TO CONTINUATION CLASS ELEMT R4	K2335000	
003584	47F0 8176	03444		16865	B CDFNCLS NEXT CLASS	K2335500	
				16866	*****	K2336000	
				16867	*	* K2336500	
				16868	* END OF SCAN FOR A GIVEN CHARACTERISTIC	* K2337000	
				16869	*	* K2337500	
				16870	*****	K2338000	
003588	9140 D1D4	001D4		16871	CDFEJOE TM CDFFLGAS,CDFSOMJO IS THERE SOMETHING TO PRINT	K2338500	
00358C	4780 82C6	03594		16872	BZ CDFEJOA IF NOT FORGET IT	K2339000	
003590	4540 8322	035F0		16873	BAL WC,CDFPRNT DISPLAY MESSAGE	K2339500	
003594	4110 7004	00004		16874	CDFEJOA LA R1,JOTCHRQ-(JOENEXT-JOEDSECT) QUEUE HEAD	K2340000	
003598	4810 1000	00000		16875	CDFEJOB LH R1,JOENEXT GET NEXT JOE OFFSET	K2340500	
00359C	5410 8812	03AE0		16876	N R1,=A(X'0000FFFF')	INSURE OFFSET IS POSITIVE	K2341000
0035A0	4780 82EA	035B8		16877	BZ CDFNOJO LAST--EXIT	K2341500	
0035A4	8910 0002	00002		16878	SLL R1,2 EXPAND TO BYTE OFFSET R4	K2342000	
0035A8	1E17			16879	ALR R1,WF COMPUTE JOE ADDRESS	K2342500	
0035AA	D518 D188 1004	00188 00004		16880	CLC CDFSETUP,JOESETUP CHECK FOR ONE WE WANT @OZ27300	K2343000	
0035B0	47B0 82CA	03598		16881	BNL CDFEJOB IF NOT LOOP	K2343500	
0035B4	47F0 80F8	033C6		16882	B CDFMVCHR IF SO COPY CHARACTERISTICS	K2344000	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16884	*****	K2345000
				16885	*	* K2345500
				16886	* END OF PASS THROUGH ALL JOES	* K2346000
				16887	*	* K2346500
				16888	*****	K2347000
0035B8	9108 D1D4	001D4		16889	CDFNOJO TM CDFFLAGS,CDFRSCAN QUEUE RE-SCAN REQUIRED... @OZ29819	K2347500
0035BC	4780 8300	035CE		16890	BZ CDFNOJOP BR IF NO @OZ29819	K2348000
0035C0	94F7 D1D4	001D4		16891	NI CDFFLAGS,255-CDFRSCAN RESET RE-SCAN INDICATOR @OZ29819	K2348500
0035C4	D201 D1D8 D1CE	001D8 001CE		16892	MVC CDFCROUT,CDFNXTLO SET NEW CURRENT ROUTE CODE @OZ29819	K2349000
0035CA	47F0 80DC	033AA		16893	B CDFNROUT BR TO RE-SCAN QUEUE @OZ29819	K2349500
0035CE	9180 D1D4	001D4		16894	CDFNOJOP TM CDFFLAGS,CDFJOEOK DID WE FIND ANY	K2350000
0035D2	4780 8310	035DE		16895	BZ CDFEMPTY EXIT WITH DIAGNOSTIC IF NO	K2350500
				16896	\$CRET , RETURN	K2351000
0035D6				16897+	DS 0H	Z0006000
0035D6	41F0 0000	00000		16898+	LA R15,CORTNORM NORMAL RETURN	K0137000
0035DA	47F0 C1AC	001AC		16899+	B CORET RETURN	K0137500
				16900	CDFEMPTY \$CRET MSG='NO OUTPUT QUEUED' RETURN WITH DIAGNOSTIC	K2351500
0035DE				16901+	CDFEMPTY DS 0H	Z0006000
0035DE	D20F D0B6 87DA	000B6 03AA8		16902+	MVC COMMAND(16),=C'NO OUTPUT QUEUED'	K0131000
0035E4	4100 0010	00010		16903+	LA R0,16 SET LENGTH OF MSG IN R0	K0131500
0035E8	41F0 0008	00008		16904+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0035EC	47F0 C1AC	001AC		16905+	B CORET RETURN	K0137500
				16906	*****	K2352000
				16907	*	* K2352500
				16908	* DISPLAY A LINE	* K2353000
				16909	*	* K2353500
				16910	*****	K2354000
0035F0				16911	CDFPRNT DS 0H	K2354500
0035F0	1805			16912	LR R0,WD POINT TO END + 2	K2355000
0035F2	4110 D0B7	000B7		16913	LA R1,COMMAND+1 START + 1	K2355500
0035F6	1B01			16914	SR R0,R1 GET COUNT	K2356000
				16915	\$CWTO L=(R0) DISPLAY MESSAGE	K2356500
0035F8				16916+	DS 0H	Z0006000
0035F8	4520 C07A	0007A		16917+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
0035FC	94BF D1D4	001D4		16918	NI CDFFLAGS,255-CDFSOMJO TURN OFF FLUSH BIT	K2357000
				16919	*	THIS LINE DELETED BY APAR @OZ20010 K2357100
				16920	*	THIS LINE DELETED BY APAR @OZ20010 K2357200
				16921	*	THIS LINE DELETED BY APAR @OZ20010 K2357300
003600	07F4			16922	BR WC RETURN	K2357500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16924	*****	K2381000
				16925	*	* K2381500
				16926	* MISCELLANEOUS	* K2382000
				16927	*	* K2382500
				16928	*****	K2383000
003602	5810 5000	00000		16929	CDFINVO L R1,0(0,WD) POINT TO INVALID OPERAND	K2383500
				16930	\$CFINVO OPERAND=(R1) EXIT ...	K2384000
003606	47F0 C7A6	007A6		16931+	B COFINVO REPLY INVALID OPERAND	K0636500
00360A				16932	CDFCNVT DS 0H CONVERT JOE DISP TO CLS CHAR	K2385000
00360A	1813			16933	LR R1,WB MOVE JOE CLASS TO WORK REGISTER	K2385500
00360C	8A10 0001	00001		16934	SRA R1,1 DIVIDE BY TWO	K2386000
003610	58F0 8826	03AF4		16935	L R15,=A(CLJHLDTB) POINT TO CONVERSION TABLE	K2386500
003614	4311 F000	00000		16936	IC R1,0(R1,R15) PICK-UP CLASS IN R1	K2387000
003618	07F2			16937	BR WA AND RETURN	K2387500
		00188	16938	CDFSETUP	EQU COMPNTER,L'JOESETUP ALL CHARACTERISTICS @OZ27300	K2388500
		00188	16939	CDFORMS	EQU COMPNTER,4 FORMS CHARACTERISTICS	K2389000
		0018C	16940	CDFFCB	EQU COMPNTER+4,4 FCB CHARACTERISTICS	K2389500
		00190	16941	CDFUCS	EQU COMPNTER+8,4 UCS CHARACTERISTICS	K2390000
		00194	16942	CDFWTR	EQU COMPNTER+12,8 WTR CHARACTERISTICS	K2390500
		0019C	16943	CDFLASH	EQU COMPNTER+20,4 FLASH CHARACTERISTICS R4	K2391000
		001A0	16944	CDFCFLAG	EQU COMPNTER+24,1 CHARACTERISTICS FLAGS (JOECFLAG) R4	K2391500
		001CE	16945	CDFNXTLO	EQU COMNULOP-10,2 NEXT ROUTE CODE TO SCAN @OZ29819	K2391600
		001D0	16946	CDFLJOB	EQU COMNULOP-8 LOW JOB NUMBER OF RANGE	K2392000
		001D2	16947	CDFHJOB	EQU COMNULOP-6 HIGH JOB NUMBER OF RANGE	K2392500
		001D4	16948	CDFFLAGS	EQU COMNULOP-4 FLAGS	K2393000
		00080	16949	CDFJOEOK	EQU X'80' AT LEAST ONE JOE HAD INFO	K2393500
		00040	16950	CDFSOMJO	EQU X'40' THIS JOE HAS SOME TO DISPLAY	K2394000
		00020	16951	CDFRELJ	EQU X'20' DISPLAY RELEASED JOBS	K2394500
		00010	16952	CDFHOLD	EQU X'10' DISPLAY HELD JOBS	K2395000
		00008	16953	CDFRSCAN	EQU X'08' JOT RE-SCAN REQUIRED @OZ29819	K2395100
		001D5	16954	CDFCOMPR	EQU COMNULOP-3 LAST CLASS ELEMENT ADDRESS	K2395500
		001D8	16955	CDFCROUT	EQU COMNULOP,2 CURRENT ROUTING @OZ29819	K2396000
		001DA	16956	CDFEROUT	EQU COMNULOP+2,2 LAST ROUTING @OZ29819	K2396500
		00000	16957	USING	JQEDSECT,R1 RESTORE JQE ADDRESSABILITY	K2397000
			16958	DROP	WF	K2397500
		000B6	16960	CDFMID	EQU COMMAND,6 TEXT 'OUT R=' R4	K2398500
		000BB	16961	CDFMR1	EQU COMMAND+5,10 TEXT ' RXXX ' R4	K2399000
		000C5	16962	CDFMB	EQU CDFMR1+10,31 BASE TEXT R4	K2399500
		000C7	16963	CDFMBF	EQU CDFMB+2,4 FORMS R4	K2400000
		000CE	16964	CDFMBC	EQU CDFMBF+7,4 CARRAGE R4	K2400500
		000D5	16965	CDFMBT	EQU CDFMBC+7,4 TRAIN R4	K2401000
		000DC	16966	CDFMBW	EQU CDFMBT+7,8 WRITER NAME R4	K2401500
		000B6	16967	CDFMCCL	EQU COMMAND,6 CONTINUATION TEXT 'CLASS ' R4	K2402000
		000BC	16968	CDFMCC	EQU CDFMCCL+L'CDFMCCL CONTINUATION CLASS ELEMENT R4	K2402500
			16969	*	THIS LINE DELETED BY APAR NUMBER @OZ29819	K2403000
			16970	*	THIS LINE DELETED BY APAR NUMBER @OZ29819	K2403500
			16971	*	THIS LINE DELETED BY APAR NUMBER @OZ29819	K2404000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				16973	*****	K2405000
				16974	*	* K2405500
				16975	* \$P Q,Q=CLASSES,R=DESTINATION -- CANCEL DATA SETS	* K2406500
				16976	*	* K2408500
				16977	*****	K2409000
00361A				16979	CPQ DS 0H	CANCEL OUTPUT DATA SETS K2410000
00361A	1136			16980	LNR WB,WE	SET DEFAULT TO NO ROUTE ARGUMENT K2411000
00361C	D708	D1DC	D1DC	001DC	001DC	16981 XC CPQCLAS,CPQCLAS ZERO CLASS SELECTION R4 K2413500
003622				16982	CPQLOOP DS 0H	LOOP THROUGH OPERANDS K2414000
003622	8656	83CC		0369A	16983 BXH WD,WE,CPQEND	PICK-UP NEXT OPERAND POINTER K2414500
003626	98EF	5000		00000	16984 LM R14,R15,0(WD)	PICK-UP POINTERS TO NEXT OPERANDS K2415000
00362A	957E	E001		00001	16985 CLI 1(R14),C'='	CHECK FOR = R4 K2415500
00362E	4770	83C4		03692	16986 BNE CPQINVO	EXIT IF NOT R4 K2416000
003632	95D8	E000		00000	16987 CLI 0(R14),C'Q'	CHECK FOR Q R4 K2416500
003636	4780	8388		03656	16988 BE CPQCLS	BREAK OUT CLASS LIST R4 K2417000
00363A	95D9	E000		00000	16989 CLI 0(R14),C'R'	CHECK FOR ROUTING R4 K2417500
00363E	4770	83C4		03692	16990 BNE CPQINVO	ERROR IF NOT R4 K2418000
003642	45E0	C978		00978	16991 BAL LINK,COFRTRA	CONVERT ROUTINGS R4 K2418500
003646	47F0	83C4		03692	16992 B CPQINVO	ERROR EXIT + 0 R4 K2419000
00364A	1830				16993 LR WB,R0	COPY ANSWER + 4 R4 K2419500
00364C	1901				16994 CR R0,R1	SAME VALUE R4 K2420500
00364E	4770	83C4		03692	16995 BNE CPQINVO	ERROR IF NOT R4 K2421000
003652	47F0	8354		03622	16996 B CPQLOOP	LOOP R4 K2423000
003656				16998	CPQCLS DS 0H	EXTRACT CLASS ARGUMENT K2424000
003656	1FFE			16999	SLR R15,R14	COMPUTE STRING SIZE K2424500
003658	4BF0	885E		03B2C	17000 SH R15,=H'4'	TEST FOR EXISTENCE OF STRING K2425000
00365C	4740	83C4		03692	17001 BM CPQINVO	NONE -- ERROR K2425500
003660	49F0	839C		0366A	17002 CH R15,*+10	TEST FOR MAX SIZE OF EIGHT K2426000
003664	47D0	839E		0366C	17003 BNH *+8	IF NOT HIGH USE SIZE K2426500
003668	41F0	0007		00007	17004 LA R15,L'CPQCLAS-2	ELSE USE MAX SIZE -- EIGHT K2427000
00366C	5810	882A		03AF8	17005 L R1,=A(CVALIDTB)	POINT TO TEST TABLE R4 K2427500
003670	44F0	83B8		03686	17006 EX R15,CPQCLTST	TEST FOR VALID CHARACTERS K2428000
003674	4770	83C4		03692	17007 BNZ CPQINVO	IF INVALID -- EXIT IN ERROR K2428500
003678	D708	D1DC	D1DC	001DC	001DC	17008 XC CPQCLAS,CPQCLAS ZERO PREVIOUS CLASSES R4 K2429000
00367E	44F0	83BE		0368C	17009 EX R15,CPQMVCLS	MOVE CLASS STRING TO SAVE AREA K2429500
003682	47F0	8354		03622	17010 B CPQLOOP	AND LOOK FOR MORE OPERANDS K2430000
003686	DD00	E002	1000	00002	00000	17012 CPQCLTST TRT 2(*-*,R14),0(R1) *** EXECUTE ONLY *** R4 K2431000
00368C	D200	D1DC	E002	001DC	00002	17013 CPQMVCLS MVC CPQCLAS(*-*),2(R14) **** EXECUTE ONLY **** K2431500
003692				17015	CPQINVO DS 0H	INVLAID OPERAND ROUTINE K2432500
003692	5810	5000		00000	17016 L R1,0(,WD)	POINT TO INVALID OPERAND K2433000
				17017	\$CFINVO OPERAND=(R1)	DISPLAY INVALID OPERAND K2433500
003696	47F0	C7A6		007A6	17018+ B COFINVO	REPLY INVALID OPERAND K0636500
00369A				17020	CPQEND DS 0H	END OF OPERAND SCAN K2434500
				17021	\$QSUSE	REQUEST ACCESS TO CKPT DATA R41 K2434600
00369A	05F0			17022+	BALR R15,0	SET RETURN ADDR FROM \$QSUSE R4 GM014000
00369C	9180	B427		00427	17023+ TM \$STATUS,\$QSONDA	MAY QUEUES BE USED... @OZ27300 GM016000
0036A0	4770	B068		00068	17024+ BNZ \$QSUSES	BR TO \$QSUSE ROUTINE IF NO R4 GM024000
0036A4	1FAA				17025 SLR R10,R10	ZERO HIT RECORDER K2435000
0036A6	1F55				17026 SLR WD,WD	ZERO CLASS OFFSET REGISTER K2435500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0036A8	1F00			17027	SLR	R0,R0	ZERO CLASS INSERT REGISTER K2436000
0036AA	9500 D1DC	001DC		17028	CLI	CPQCLAS,0	TEST FOR NO CLASS STRING SUPPLIED K2437000
0036AE	4770 83EE	036BC		17029	BNE	CPQNALL	NOT ALL CLASSES TO BE CANCELLED K2437500
0036B2	0650			17030	BCTR	WD,0	LESS ONE K2438000
0036B4	0650			17031	BCTR	WD,0	LESS ONE K2438500
0036B6	4120 83F4	036C2		17032	LA	WA,CPQALLP	POINT TO END OF JOE EXIT K2439000
0036BA	07F2			17033	BR	WA	GO THERE K2439500
0036BC				17034	CPQNALL DS	0H	CANCEL A SELECTED NBR OF CLASSES K2440000
0036BC	4120 8412	036E0		17035	LA	WA,CPQONE	POINT TO END OF JOE EXIT K2440500
0036C0	07F2			17036	BR	WA	GO THERE K2441000
0036C2				17038	CPQALLP DS	0H	ALL CLASSES LOOP K2442000
0036C2	4150 5002	00002		17039	LA	WD,2(,WD)	GET NEXT CLASS OFFSET K2442500
0036C6	4950 8854	03B22		17040	CH	WD,=H'70'	TEST FOR LAST CLASS K2443000
0036CA	4720 84AC	0377A		17041	BH	CPQFINI	YES--EXIT ROUTINE K2443500
0036CE	18F5			17042	LR	R15,WD	SAVE WD IN R15 K2444000
0036D0	8AF0 0001	00001		17043	SRA	R15,1	DIVIDE BY TWO K2444500
0036D4	58E0 8826	03AF4		17044	L	R14,=A(CLJHLDTB)	POINT TO CLASS CNVT TABLE K2445000
0036D8	430F E000	00000		17045	IC	R0,0(R15,R14)	PICK-UP EBCDIC CLASS K2445500
0036DC	47F0 842C	036FA		17046	B	CPQJOT	GO SCAN JOT FOR THIS CLASS K2451000
0036E0				17048	CPQONE DS	0H	REQUEST FOR UP TO EIGHT CLASSES K2452000
0036E0	4300 D1DC	001DC		17049	IC	R0,CPQCLAS	PICK-UP POSSIBLE CLASS CHARACTER K2453000
0036E4	943F D1DC	001DC		17050	NI	CPQCLAS,255-X'C0'	REDUCE TO JOE DISPLACEMENT K2454000
0036E8	4780 84AC	0377A		17051	BZ	CPQFINI	EXIT IF LAST CLASS K2454500
0036EC	4350 D1DC	001DC		17052	IC	WD,CPQCLAS	PICK-UP PSEUDO JOT OFFSET K2455000
0036F0	4355 84CB	03799		17053	IC	WD,CPQTABLE-1(WD)	PICK-UP ACTUAL JOT OFFSET K2456000
0036F4	D207 D1DC D1DD	001DC 001DD		17054	MVC	CPQCLAS(L'CPQCLAS-1),CPQCLAS+1	MOVE CLASS(ES) DOWN K2458000
0036FA				17055	CPQJOT DS	0H	SCAN JOT LOOKING FOR JOES TO CNCL K2458500
0036FA	5870 B23C	0023C		17056	L	WF,CDFJOT	POINT TO THE JOT K2459000
				17057	PUSH	USING	SAVE USING STATUS K2459500
			00000	17058	USING	JOTDSECT,WF	JOT ADDRESSABILITY K2460000
0036FE	4115 7008	00008		17059	LA	R1,JOTCLSQ-(JOENEXT-JOEDSECT)(WD)	PT TO JOE BFORE CLS K2461000
			00000	17060	USING	JOEDSECT,R1	JOE ADDRESSABILITY K2463000
003702				17061	CPQNXTJO DS	0H	GET ANOTHER JOE K2463500
003702	4810 1000	00000		17062	LH	R1,JOENEXT	GET OFFSET TO NEXT JOE K2464000
003706	5410 8812	03AE0		17063	N	R1,=A(X'0000FFFF')	INSURE OFFSET IS POSITIVE K2464500
00370A	0782			17064	BZR	WA	LAST JOE -- EXIT K2465000
00370C	8910 0002	00002		17065	SLL	R1,2	EXPAND TO BYTE OFFSET R4 K2465500
003710	1E17			17066	ALR	R1,WF	COMPUTE JOE ADDRESS K2466000
003712	9107 1004	00004		17067	TM	JOEFLAG,\$JOEBUSY	TEST FOR ACTIVE JOE K2466500
003716	4770 8434	03702		17068	BNZ	CPQNXTJO	IF YES -- GET ANOTHER K2467000
00371A	1233			17069	LTR	WB,WB	TEST FOR SELECTIVE CANCEL BY ROUT K2468000
00371C	4740 84A0	0376E		17070	BM	CPQDELET	NO--DELETE THIS JOE K2468500
003720	48F0 100C	0000C		17071	LH	R15,JOEROUT	GET THE ROUTE CODE @OZ29819 K2469000
003724	12FF			17072	LTR	R15,R15	INDIRECT ROUTE... @OZ29819 K2469100
003726	4780 8468	03736		17073	BZ	CPQIRTE	IF YES, EXAMINE JQE @OZ29819 K2469500
00372A	4930 100C	0000C		17074	CH	WB,JOEROUT	NO--TEST FOR ROUTING MATCH K2470000
00372E	4770 8434	03702		17075	BNE	CPQNXTJO	NO--GET NEXT JOE K2470500
003732	47F0 84A0	0376E		17076	B	CPQDELET	YES--DELETE THIS JOE K2471000
003736				17077	CPQIRTE DS	0H	TEST JQE FOR ROUTE MATCH K2471500
003736	48E0 1010	00010		17078	LH	R14,JOEJQE	POINT TO JQE OFFSET K2472000
00373A	54E0 8822	03AF0		17079	N	R14,=X'0000FFFF'	CLEAR LEFT HALFWORD @OZ37385 K2472200
00373E	89E0 0002	00002		17080	SLL	R14,2	COMPUTE JQE OFFSET (* 4) K2472500
003742	5EE0 B1C0	001C0		17081	AL	R14,\$JOBQPTR	COMPUTE JQE ADDRESS K2473000
			00000	17082	USING	JQEDSECT,R14	JQE ADDRESSABILITY K2473500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
003746	58F0 B150	00150		17083	L R15,\$SSVT	POINT TO THE SSVT K2474000
			00000	17084	USING SSVT,R15	SSVT ADDRESSABILITY K2474500
00374A	41F0 F354	00354		17085	LA R15,\$SVSCAT	POINT TO SYSOUT CLS ATTRIBUTE TBL K2475000
				17086	DROP R15	FORGET SSVT ADDRESSABILITY K2475500
00374E	1EF0			17087	ALR R15,R0	COMPUTE LOC OF THIS CLS IN SCAT K2476000
			00000	17088	USING SCADSECT,R15	SCAT ADDRESSABILITY K2476500
003750	9180 F000	00000		17089	TM SCATFLAG,SCATPRNT	IS CLASS NORMALLY PRINTED K2477000
003754	4860 E00C	0000C		17090	LH WE,JQEPRTTRT	PICK-UP POSSIBLE PRINT ROUTING K2477500
003758	4710 849A	03768		17091	BO CPQRTEST	YES--TEST FOR ROUTE MATCH K2478000
00375C	4860 E00E	0000E		17092	LH WE,JQEPUNRT	PICK-UP POSSIBLE PUNCH ROUTING K2478500
003760	9140 F000	00000		17093	TM SCATFLAG,SCATPNCH	TEST FOR PUNCH CLASS K2479000
003764	4780 8434	03702		17094	BZ CPQNXTO	NO--GET NEXT DATA SET K2479500
003768				17095	CPQRTEST DS 0H	TEST FOR ROUTE CODE MATCH K2480000
003768	1536			17096	CLR WB,WE	TEST FOR MATCH K2480500
00376A	4770 8434	03702		17097	BNE CPQNXTO	NO--GET NEXT DATA SET K2481000
00376E				17098	CPQDELET DS 0H	DELETE THIS DATA SET K2490500
				17099	*	THIS LINE DELETED BY APAR OZ60258 @OZ60258 K2491500
00376E	18A1			17100	LR R10,R1	SET HIT REGISTER K2492500
				17101	*	THIS LINE DELETED BY APAR OZ60258 @OZ60258 K2493000
				17102	*	THIS LINE DELETED BY APAR OZ60258 @OZ60258 K2494000
				17103	*	THIS LINE DELETED BY APAR OZ60258 @OZ60258 K2494600
				17104	*	THIS LINE DELETED BY APAR OZ67148 @OZ67148 K2494700
				17105	*	THIS LINE DELETED BY APAR OZ67148 @OZ67148 K2494800
003770	58F0 882E	03AFC		17106	L R15,=A(\$IOTPUR)	REM THE JOE AND PURGE SPIN @OZ67148 K2494900
003774	05EF			17107	BALR LINK,R15	DS TRACKS IF APPROPRIATE. @OZ67148 K2495000
				17108	*	THIS LINE DELETED BY APAR OZ67148 @OZ67148 K2495050
				17109	POP USING	RESTORE USINGS R41 K2495100
003776	47F0 842C	036FA		17110	B CPQJOT	AND GET NEXT JOE TO DELETE K2495200
00377A				17112	CPQFINI DS 0H	FINISHED WITH DATA SET DELETE K2496000
00377A	12AA			17113	LTR R10,R10	TEST FOR ANY CANCELLED K2496500
00377C	4770 84C4	03792		17114	BNZ CPQCANCL	YES -- RETURN 'OK' K2497000
				17115	\$CRET MSG='NO DATA SET(S) CANCELLED'	K2497500
003780				17116+	DS 0H	Z0006000
003780	D217 D0B6 87EA 000B6 03AB8			17117+	MVC COMMAND(24),=C'NO DATA SET(S) CANCELLED'	K0131000
003786	4100 0018	00018		17118+	LA R0,24	SET LENGTH OF MSG IN R0 K0131500
00378A	41F0 0008	00008		17119+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
00378E	47F0 C1AC	001AC		17120+	B CORET	RETURN K0137500
003792				17122	CPQCANCL DS 0H	RETURN 'OK' K2498500
				17123	\$CRET MSG=OK	RETURN TO OPERATOR K2499000
003792				17124+	DS 0H	Z0006000
003792	41F0 0004	00004		17125+	LA R15,CORTOK	RETURN AND ISSUE OK MESSAGE K0136000
003796	47F0 C1AC	001AC		17126+	B CORET	RETURN K0137500
		001DC		17128	CPQCLAS EQU	COMREGSV,9 CLASS STRING SAVE AREA K2500000
00379A				17130	CPQTABLE DS 0H	JOT CONVERSION TABLE K2501000
00379A	00020406080A0C0E			17131	DC AL1(0,2,4,6,8,10,12,14,16,18)	A-I OR *,A-I R4 K2501500
0037A4	000000000000			17132	DC 6AL1(0)	R4 K2502000
0037AA	121416181A1C1E20			17133	DC AL1(18,20,22,24,26,28,30,32,34,36)	J-R R4 K2502500
0037B4	00000000000000			17134	DC 7AL1(0)	R4 K2503000
0037BB	2426282A2C2E3032			17135	DC AL1(36,38,40,42,44,46,48,50,52)	S-Z R4 K2503500
0037C4	0000000000			17136	DC 5AL1(0)	R4 K2504000
0037C9	3436383A3C3E4042			17137	DC AL1(52,54,56,58,60,62,64,66,68,70,72)	0-9 R4 K2504500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				17139	*****	K2505500
				17140	*	* K2506000
				17141	* \$O Q,Q=CLASSES,CANCEL,R=DESTINATION -- OUTPUT HELD DATA SET	* K2506500
				17142	*	* K2507000
				17143	*****	K2507500
			03692	17145	COQINVO EQU CPQINVO EQUATE ERROR ROUTINE	K2508500
0037D4				17146	COQ DS 0H FREE OR CANCEL HELD DATA SETS	K2509000
0037D4	9200 D08C	0008C		17147	MVI COQFLAGS,0 TURN OFF ALL FLAGS	K2509500
				17148	\$TIME , GET CURRENT DATE IN R1 R41	K2509600
				17149+*	/* MACDATE Y-1 72277 */	02050002
				17150+*	/*	02100002
0037D8	4110 0001	00001		17151+	LA 1,1(0,0) LOAD 1 TO SPECIFY UNIT	22000002
0037DC	0A0B			17152+	SVC 11 ISSUE TIME SVC	35000002
0037DE	5010 D1DC	001DC		17153	ST R1,COQSVCRD SAVE IT R41	K2509700
0037E2	8656 864E	0391C		17154	COQLOOP BXH WD,WE,COQEND SCAN ALL OPERANDS	K2510000
0037E6	9812 5000	00000		17155	LM R1,WA,0(WD) PICK-UP OPERAND POINTERS	K2510500
0037EA	95C3 1000	00000		17156	CLI 0(R1),C'C' THIS CANCEL R4	K2511000
0037EE	4780 85A0	0386E		17157	BE COQCANCL CANCEL IF YES R4	K2511500
0037F2	957E 1001	00001		17158	CLI 1(R1),C'=' THIS EQUAL R4	K2512000
0037F6	4770 83C4	03692		17159	BNE COQINVO ERROR EXIT IF NOT R4	K2512500
0037FA	95D8 1000	00000		17160	CLI 0(R1),C'Q' CLASS STRING R4	K2513000
0037FE	4780 855C	0382A		17161	BE COQCLAS BREAK OUT CLASSES IF YES R4	K2513500
003802	95C4 1000	00000		17162	CLI 0(R1),C'D' CUT-OFF DATE SPECIFIED... R41	K2513600
003806	4780 85A8	03876		17163	BE COQDATE BR IF YES R41	K2513700
00380A	95D9 1000	00000		17164	CLI 0(R1),C'R' ROUTE CODE R4	K2514000
00380E	4770 83C4	03692		17165	BNE COQINVO ERROR EXIT IF NOT R4	K2514500
003812	45E0 C978	00978		17166	BAL LINK,COFRTRA CONVERT TO ROUTE CODE R4	K2515000
003816	47F0 83C4	03692		17167	B CPQINVO ERROR EXIT + 0 R4	K2515500
00381A	18A0			17168	LR R10,R0 COPY ANSWER + 4 R4	K2516000
00381C	1901			17169	CR R0,R1 SAME R4	K2516500
00381E	4770 83C4	03692		17170	BNE CPQINVO ERROR IF NOT R4	K2517000
003822	9620 D08C	0008C		17171	OI COQFLAGS,COQRTE FLAG ROUTING DESIRED R4	K2517500
003826	47F0 8514	037E2		17172	B COQLOOP LOOP R4	K2518000
00382A				17173	COQCLAS DS 0H R4	K2518500
00382A	1F21			17174	SLR WA,R1 COMPUTE OPERAND SIZE	K2519000
00382C	4B20 885E	03B2C		17175	SH WA,=H'4' LESS '4' FOR MACHINE 'EX'	K2519500
003830	4740 83C4	03692		17176	BM COQINVO IF NEGATIVE -- ERROR	K2520000
003834	4920 8570	0383E		17177	CH WA,*+10 CHECK WITH MAX OF '8' CHARACTERS	K2520500
003838	47D0 8572	03840		17178	BNH *+8 LRSS THAN OR EQUAL 'OK'	K2521000
00383C	4120 0007	00007		17179	LA WA,7 SET MAX CLASS STRING LENGTH	K2521500
003840	58E0 882A	03AF8		17180	L R14,=A(CVALIDTB) POINT TO TEST TABLE R4	K2522000
003844	4420 8594	03862		17181	EX WA,COQVALID TEST FOR VALID CLASS CHARACTERS	K2522500
003848	4770 83C4	03692		17182	BNZ COQINVO IF ANY INVALID--ERROR	K2523000
00384C	9240 D17E	0017E		17183	MVI COQCLASS,C' ' SET CLASS AREA TO BLANKS	K2523500
003850	D206 D17F D17E	0017F 0017E		17184	MVC COQCLASS+1(L'COQCLASS-1),COQCLASS DITTO	K2524000
003856	4420 859A	03868		17185	EX WA,COQMVCLS MOVE CLASSES INTO SAVE AREA	K2524500
00385A	9680 D08C	0008C		17186	OI COQFLAGS,COQCLS FLAG CLASS STRING EXISTS	K2525000
00385E	47F0 8514	037E2		17187	B COQLOOP AND LOOP FOR MORE OPERANDS	K2525500
003862	DD00 1002 E000	00002 00000		17189	COQVALID TRT 2(*-*,R1),0(R14) *** EXECUTE ONLY *** R4	K2526500
003868	D200 D17E 1002	0017E 00002		17190	COQMVCLS MVC COQCLASS(*-*),2(R1) **** EXECUTE ONLY ****	K2527000
00386E				17192	COQCANCL DS 0H REQUEST TO CANCEL DATA SETS	K2528000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22
00386E	9640 D08C	0008C		17193	OI	COQFLAGS,COQCNC	SET FLAGS AS SUCH	K2528500
003872	47F0 8514	037E2		17194	B	COQLOOP	AND LOOP FOR MORE OPERANDS	K2529000
003876	1F21			17196	COQDATE	SLR WA,R1	ENSURE	R41 K2529200
003878	4B20 8860	03B2E		17197	SH	WA,=H'3'	AT LEAST 1	R41 K2529300
00387C	47D0 83C4	03692		17198	BNP	COQINVO	AND NOT	R41 K2529400
003880	4920 8862	03B30		17199	CH	WA,=H'5'	MORE THAN	R41 K2529500
003884	4720 83C4	03692		17200	BH	COQINVO	5 DIGITS	R41 K2529600
003888	1802			17201	LR	R0,WA	RELOAD VALUE LENGTH	R41 K2529700
00388A	18E1			17202	LR	LINK,R1	AND OPERAND POINTER	R41 K2529800
00388C	41E0 E001	00001		17204	COQDATVL	LA LINK,1(,LINK)	ENSURE	R41 K2530000
003890	95F0 E001	00001		17205	CLI	1(LINK),C'0'	OPERAND	R41 K2530100
003894	4740 83C4	03692		17206	BL	COQINVO	VALUE	R41 K2530200
003898	95F9 E001	00001		17207	CLI	1(LINK),C'9'	IS	R41 K2530300
00389C	4720 83C4	03692		17208	BH	COQINVO	STRICTLY	R41 K2530400
0038A0	4600 85BE	0388C		17209	BCT	R0,COQDATVL	NUMERIC	R41 K2530500
0038A4	0620			17211	BCTR	WA,0	REDUCE FOR EXECUTE	R41 K2530700
0038A6	4420 8648	03916		17212	EX	WA,COQDATPK	CONVERT VALUE TO PACKED DECIMAL	R41 K2530800
0038AA	4920 8864	03B32		17213	CH	WA,=H'1'	TEST FORM OF VALUE	R41 K2530900
0038AE	4720 8636	03904		17214	BH	COQYYDDD	BR IF NOT NN (DAYS)	R41 K2531000
				17215		\$TIME	GET CURRENT DATE IN R1	R41 K2531100
				17216+*	/*	MACDATE Y-1 72277	*/	02050002
				17217+*	/*			02100002
0038B2	4110 0001	00001		17218+	LA	1,1(0,0)	LOAD 1 TO SPECIFY UNIT	22000002
0038B6	0A0B			17219+	SVC	11	ISSUE TIME SVC	35000002
0038B8	1F00			17220	SLR	R0,R0	CLEAR R0	R41 K2531200
0038BA	9001 D090	00090		17221	STM	R0,R1,COMDWORK	STORE PACKED DECIMAL DATE	R41 K2531300
0038BE	4F10 D018	00018		17222	CVB	R1,PCER1	CONVERT DAYS TO BINARY	R41 K2531400
0038C2	4F00 D090	00090		17223	CVB	R0,COMDWORK	CONVERT DATE TO BINARY	R41 K2531500
0038C6	D501 D01E D096	0001E 00096		17224	CLC	PCER1+6(2),COMDWORK+6	CUT-OFF DATE LAST YEAR...	R41 K2531600
0038CC	4740 861C	038EA		17225	BL	COQYYOK	BR IF NO	R41 K2531700
0038D0	4110 127B	0027B		17226	LA	R1,1000-365(,R1)	IGNORE DAYS 366 - 999	R41 K2531800
0038D4	F120 D095 D095	00095 00095		17227	MVO	COMDWORK+5(3),COMDWORK+5(1)	ISOLATE CURRENT YEAR	R41 K2531900
0038DA	4FE0 D090	00090		17228	CVB	LINK,COMDWORK	CONVERT YEAR TO BINARY	R41 K2532000
0038DE	06E0			17229	BCTR	LINK,0	BACK UP 1 YEAR	R41 K2532100
0038E0	54E0 8832	03B00		17230	N	LINK,=F'3'	TEST FOR LEAP YEAR	R41 K2532200
0038E4	4770 861C	038EA		17231	BNZ	COQYYOK	BR IF NO	R41 K2532300
0038E8	0610			17232	BCTR	R1,0	ACKNOWLEDGE DAY 366	R41 K2532400
0038EA	1B01			17234	COQYYOK	SR R0,R1	GET CUT-OFF DATE	R41 K2532600
0038EC	47B0 8624	038F2		17235	BNM	*+6	BR IF THIS CENTURY	R41 K2532700
0038F0	1F00			17236	SLR	R0,R0	CUT-OFF AT TURN OF CENTURY	R41 K2532800
0038F2	4E00 D018	00018		17237	CVD	R0,PCER1	CONVERT RESULT TO PACKED DECIMAL	R41 K2532900
0038F6	D203 D1DC D01C	001DC 0001C		17238	MVC	COQSVCRD,PCER1+4	STORE CUT-OFF DATE	R41 K2533000
0038FC	960F D1DF	001DF		17239	OI	COQSVCRD+3,X'0F'	MAKE 'PRINTABLE'	R41 K2533100
003900	47F0 8514	037E2		17240	B	COQLOOP	BR TO TEST FOR MORE OPERANDS	R41 K2533200
003904	4920 885E	03B2C		17242	COQYYDDD	CH WA,=H'4'	TEST FOR YYDDD	R41 K2533400
003908	4770 83C4	03692		17243	BNE	COQINVO	INVALID IF NO	R41 K2533500
00390C	D203 D1DC D01C	001DC 0001C		17244	MVC	COQSVCRD,PCER1+4	STORE CUT-OFF DATE	R41 K2533600
003912	47F0 8514	037E2		17245	B	COQLOOP	BR TO TEST FOR MORE OPERANDS	R41 K2533700
003916	F270 D018 1002	00018 00002		17247	COQDATPK	PACK PCER1(8),2(*-*,R1)	*** EXECUTE ONLY ***	R41 K2533900

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
00391C				17249	COQEND DS 0H	END OF OPERANDS K2534100
00391C	182A			17250	LR WA,R10	COPY ROUTE CODE R4 K2534200
00391E	1FAA			17251	SLR R10,R10	SET HIT FLAG TO ZERO K2534300
				17252	\$CFJSCAN PROCESS=COQPRO,NEXT=COQNEXT,EMPTY=COQNONE,IGNORE=COQIGN	SCAN THE JOB QUEUE CK2534400
				17253+	*****	K1045000
				17254+	* SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				17255+	*****	K1046000
003920	9200 D044	00044		17256+	MVI PCEBASE2,0	SET NO JOB(S) FOUND INDICATOR R4 K1048000
003924	41F0 005E	0005E		17257+	LA R15,\$JQTYPES*2	NO. OF JOB QUEUES (TIMES 2) @OZ29819 K1048600
003928	40F0 D08A	0008A		17258+	CJS0489A STH R15,COMJQHDS	SAVE JOB QUEUE HEADER INDEX R4 K1049500
00392C	411F B54E	0054E		17259+	LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1050000
003930	47F0 866A	03938		17260+	B CJS0489B	BR TO BEGIN QUEUE SCAN R4 K1052500
003934	9280 D044	00044		17261+	COQNEXT MVI PCEBASE2,128	SET JOB FOUND INDICATOR R4 K1053000
003938	58C0 D044	00044		17262+	CJS0489B L BASE2,PCEBASE2	SET JOB FOUND FLAG IN REGISTER R4 K1053500
00393C	4810 1006	00006		17263+	COQIGN LH R1,JQECHAIN	GET OFFSET OF NEXT JOE R4 K1054000
003940	5410 8812	03AE0		17264+	N R1,=A('X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
003944	4780 8686	03954		17265+	BZ CJS0489C	BR IF END OF QUEUE R4 K1056500
003948	8910 0002	00002		17266+	SLL R1,2	GET TRUE R4 K1057000
00394C	5E10 B1C0	001C0		17267+	AL R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
003950	47F0 8720	039EE		17268+	B COQPRO	AND ENTER PROCESS ROUTINE R4 K1058000
003954	48F0 D08A	0008A		17269+	CJS0489C LH R15,COMJQHDS	GET CURRENT JOB QUEUE HDR INDEX R4 K1059000
003958	06F0			17270+	BCTR R15,0	REDUCE OFFSET BY 1 R4 K1059500
00395A	46F0 865A	03928		17271+	BCT R15,CJS0489A	BR IF ANOTHER JOB QUEUE R4 K1061500
00395E	12CC			17272+	LTR BASE2,BASE2	TEST FOR ANY JOB(S) FOUND R4 K1062500
003960	4720 870E	039DC		17273+	BP COQNONE	BR IF NO R4 K1063000
003964	12AA			17275	LTR R10,R10	WERE ANY JOBS FOUND WITH HLD D S K2534700
003966	4780 86FC	039CA		17276	BZ COQNOHLD	NO--EXIT WITH DIAGNOSTIC K2534800
00396A				17277	COQPOST DS 0H	@OZ46407 K2534850
00396A	58F0 B46C	0046C		17278	L R15,\$PSOPCE	POINT TO PSO PCE R4 K2534900
				17279	\$POST (R15),WORK	POST FOR WORK K2535000
00396E	94EF F050	00050		17280+	NI PCEEFW-PCEDSECT(R15),255-\$EWFWORK	RESET INHIBITS FX074000
003972	4770 86B8	03986		17281+	BNZ *+20	SKIP QUEUEING IF INHIBITED FX076000
003976	90E3 B388	00388		17282+	STM LINK,R3,\$POSTSAV	SAVE REGISTERS FX078000
00397A	411F 0000	00000		17283+	LA R1,0(R15)	POINT TO PCE FX086000
00397E	45E0 B01C	0001C		17284+	BAL LINK,\$POST	QUEUE THE PCE ON READY QUEUE FX088000
003982	98E3 B388	00388		17285+	LM LINK,R3,\$POSTSAV	RESTORE REGISTERS FX090000
003986	D214 D0B6	888F 000B6	03B5D	17286	MVC COMMAND(21),=C'DATA SETS RELEASED TO'	SET BASIC MSG R4 K2535100
00398C	4100 0012	00012		17287	LA R0,COMMAND+18-COMMAND	SET MESSAGE LENGTH K2535500
003990	9140 D08C	0008C		17288	TM COQFLAGS,COQCNCNCL	TEST FOR DATA SETS CANCELLED K2536000
003994	4780 86D8	039A6		17289	BZ COQRERTE	NO--TEST FOR RE-ROUTING K2536500
003998	D208 D0C0	88A4 000C0	03B72	17290	MVC COMMAND+10(9),=C'CANCELLED'	SET DATA SETS CANCELLED K2537000
00399E	4100 0013	00013		17291	LA R0,COMMAND+19-COMMAND	SET MESSAGE LENGTH K2537500
0039A2	47F0 86F4	039C2		17292	B COQ\$WTO	AND EXIT WITH RESPOMSE K2538000
0039A6				17293	COQRERTE DS 0H	TEST FOR DATA SETS RE-ROUTED K2538500
0039A6	9120 D08C	0008C		17294	TM COQFLAGS,COQRTE	TEST FOR RE-ROUTING K2539000
0039AA	4780 86F4	039C2		17295	BZ COQ\$WTO	NO--SEND MESSAGE K2539500
0039AE	41F0 D188	00188		17296	LA R15,COMPNTER	POINT TO ROUTE CODE R4 K2540000
0039B2	4020 D188	00188		17297	STH WA,COMPNTER	SET ROUTE CODE R4 K2540500
0039B6	4100 D0CB	000CB		17298	LA R0,COMMAND+21	POINT TO TEXT AREA R4 K2541000
0039BA	45E0 C8EA	008EA		17299	BAL LINK,COFRTC	CONVERT TO EBCDIC R4 K2541500
0039BE	4100 001E	0001E		17300	LA R0,COMMAND+21+9-COMMAND	SET LENGTH OF MESSAGE R4 K2542000
0039C2				17301	COQ\$WTO DS 0H	RETURN WITH RESPONSE K2542500
				17302	\$CRET L=(R0)	EXIT WITH RESPONSE K2543000
0039C2				17303+	DS 0H	Z0006000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0039C2	41F0 0008	00008		17304+	LA	R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0039C6	47F0 C1AC	001AC		17305+	B	CORET RETURN	K0137500
0039CA				17307 *		EXIT WITH MESSAGE THAT NONE WERE FREED/CANCELLED	K2544000
				17308 COQNOHLD	DS	0H	K2544500
				17309	\$CRET	MSG='NO HELD DATA SETS'	K2545000
0039CA				17310+	DS	0H	Z0006000
0039CA	D210 D0B6 88AD	000B6	03B7B	17311+	MVC	COMMAND(17),=C'NO HELD DATA SETS'	K0131000
0039D0	4100 0011	00011		17312+	LA	R0,17 SET LENGTH OF MSG IN R0	K0131500
0039D4	41F0 0008	00008		17313+	LA	R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0039D8	47F0 C1AC	001AC		17314+	B	CORET RETURN	K0137500
0039DC				17316 COQNONE	DS	0H NO JOB(S) WERE IN THE QUEUE	K2546000
				17317	\$CRET	MSG='JOB(S) NOT FOUND' EXIT WITH DIAGNOSTIC	R41 K2546500
0039DC				17318+	DS	0H	Z0006000
0039DC	D20F D0B6 8802	000B6	03AD0	17319+	MVC	COMMAND(16),=C'JOB(S) NOT FOUND'	K0131000
0039E2	4100 0010	00010		17320+	LA	R0,16 SET LENGTH OF MSG IN R0	K0131500
0039E6	41F0 0008	00008		17321+	LA	R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0039EA	47F0 C1AC	001AC		17322+	B	CORET RETURN	K0137500
0039EE				17324 COQPRO	DS	0H TEST FOR HELD DATA SETS	K2547500
0039EE	4830 1012	00012		17325	LH	WB,JQEHLDC	K2548000
0039F2	1233			17326	LTR	WB,WB TEST FOR NONE	K2548500
0039F4	4780 8666	03934		17327	BZ	COQNEXT NONE--GET NEXT JOB	K2549000
0039F8	18A1			17328	LR	R10,R1 SET HIT FLAG	K2549500
0039FA	1831			17329	LR	WB,R1 SAVE JQE ADDRESS OVER GETMAIN	K2550000
				17331 *		GETMAIN AREA TO BUILD PSO ELEMENT	K2551000
				17333		GETMAIN RC,LV=PSOLNGTH,SP=0 GET STORAGE FOR PSO ELEMENT	K2552000
0039FC				17334+	CNOP	0,4	
0039FC	47F0 873A	03A08		17335+	B	*+12-4*0-2*0 BRANCH AROUND DATA	
003A00	00000128			17336+	DC	A(PSOLNGTH) LENGTH	
003A04	00			17337+IHB0499F	DC	AL1(0) RESERVED	
003A05	00			17338+	DC	AL1(0) RESERVED	
003A06	00			17339+	DC	AL1(0) SUBPOOL	
003A07	00			17340+	DC	BL1'00000000' MODE BYTE *MVS380*	
003A08	5800 8732	03A00		17341+	L	0,*-8+2*0 LOAD LENGTH	
003A0C	58F0 8736	03A04		17342+	L	15,IHB0499F LOAD GETMAIN PARMS	
003A10	1B11			17343+	SR	1,1 ZERO RESERVED REG 1	
003A12	0A78			17344+	SVC	120 ISSUE GETMAIN SVC	
003A14	1851			17346	LR	WD,R1 SAVE GOTTEN AREA ADDRESS	K2553000
003A16	12FF			17347	LTR	R15,R15 TEST FOR STORAGE AVAILABLE	K2554000
003A18	4770 87C6	03A94		17348	BNZ	COQNOSTR NONE--ISSUE DIAGNOSTIC	K2554500
			00000	17349	USING	PSODSECT,WD PSO ADDRESSABILITY	K2555000
003A1C	1801			17350	LR	R0,R1 CLEAR	R41 K2555500
003A1E	4110 0128	00128		17351	LA	R1,PSOLNGTH PSO	R41 K2556000
003A22	0E0E			17352	MVCL	R0,R14 STORAGE	R41 K2556100
003A24	1813			17353	LR	R1,WB POINT TO JQE	R41 K2556200
003A26	9698 5074	00074		17354	OI	PSOFLG1,PSOFHLD+PSOFJOBI+PSOFJOB	SET PSO FLAGS K2556500
003A2A	D203 5004	D1DC	00004	001DC	17355	MVC PSOCRDT,COQSVCRD SET CUT-OFF DATE IN ELEMENT	R41 K2556600
003A30	9180 D08C	0008C		17356	TM	COQFLAGS,COQCLS TEST FOR CLASS STRING PROVIDED	K2557000
003A34	4780 8774	03A42		17357	BZ	*+14 NONE--DON'T SET	K2557500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
003A38	9640 5074	00074		17358	OI PSOFLG1,PSOFCLAS	SET PSO FLAG K2558000
003A3C	D207 50D4 D17E	000D4	0017E	17359	MVC PSOCLAS,COQCLASS	SET CLASS STRING INTO PSO ELEMENT K2558500
003A42	9681 5075	00075		17360	OI PSOFLG2,PSOFDONE+PSOF\$O	SET ADDITIONAL PSO FLAGS K2559000
003A46	D207 5078 1014	00078	00014	17361	MVC PSOJOBNO,JQEJNAME	SET JOB NAME IN PSO ELEMENT K2559500
003A4C	D201 5120 1002	00120	00002	17362	MVC PSOJOBNO,JQEJOBNO	SET JOB NBR IN PSO ELEMENT K2560000
003A52	9140 D08C	0008C		17363	TM COQFLAGS,COQCNC	TEST FOR CANCEL REQUEST K2560500
003A56	4780 8794	03A62		17364	BZ *+12	NO--TEST FOR RE-ROUTING K2561000
003A5A	9640 5072	00072		17365	OI PSOUFLG,PSOFDELC	SET CANCEL REQUIRED K2561500
003A5E	47F0 87A8	03A76		17366	B COQQUEUE	GO QUEUE ELEMENT TO CHAIN K2562000
003A62	9608 5072	00072		17367	OI PSOUFLG,PSOFRLSE	SET RELEASE DATA SET K2562500
003A66	9120 D08C	0008C		17368	TM COQFLAGS,COQRTE	TEST FOR RE-ROUTING DESIRED K2563000
003A6A	4780 87A8	03A76		17369	BZ *+12	NO--GO QUEUE ELEMENT K2563500
003A6E	4020 5122	00122		17370	STH WA,PSOROUTE	SAVE ROUTE CODE K2564000
003A72	9620 5072	00072		17371	OI PSOUFLG,PSOFROUT	AND SET APPROPRIATE FLAG K2564500
003A76				17372	COQQUEUE DS 0H	QUEUE ELEMENT TO END OF CHAIN K2565000
003A76	18F5			17373	LR R15,WD	SAVE ELEMENT ADDRESS K2565500
003A78	4150 B228	00228		17374	LA WD,\$OQUEUE-(PSONEXT-PSODSECT)	POINT TO HEAD OF QUEUE K2566000
003A7C	5800 5000	00000		17375	L R0,PSONEXT	PT TO NEXT ELEMENT K2566500
003A80	1200			17376	LTR R0,R0	TEST FOR LAST ELEMENT K2567000
003A82	4780 87BE	03A8C		17377	BZ *+10	YES--SET NEW LAST ELEMENT K2567500
003A86	1850			17378	LR WD,R0	PT TO NEXT ELEMENT K2568000
003A88	47F0 87AE	03A7C		17379	B *-12	AND LOOP TILL LAST ELEMENT K2568500
003A8C	50F0 5000	00000		17380	ST R15,PSONEXT	CHAIN ELEMENT INTO K2569000
003A90	47F0 8666	03934		17381	B COQNEXT	AND GET NEXT JOB K2569500
				17382	DROP WD	DROP PSO ADDRESSABILITY K2570000
				17384 *	MESSAGE NO STORAGE AVAILABLE	K2571000
003A94				17386	COQNOSTR DS 0H	K2572000
				17387	\$CWTO MSG='NO STORAGE AVAILABLE'	SEND DIAG MESSAGE @OZ46407 K2572500
003A94				17388+	DS 0H	Z0006000
003A94	D213 D0B6 8836	000B6	03B04	17389+	MVC COMMAND(20),=C'NO STORAGE AVAILABLE'	K0164500
003A9A	4100 0014	00014		17390+	LA R0,20	SET LENGTH OF MSG IN R0 K0165000
003A9E	4520 C07A	0007A		17391+	BAL WA,CWTO	REPLY TO OPERATOR K0161500
003AA2	47F0 869C	0396A		17392	B COQPOST	POST PSO PROCESSOR @OZ46407 K2572600
				17394 *	\$OQ EQUATES	K2573500
		0008C		17396	COQFLAGS EQU COMEWORK,1	OPTION FLAGS K2574500
		0017E		17397	COQCLASS EQU COMJNAME,8	SAVE AREA FOR CLASS STRING K2575000
		001DC		17398	COQSVCRD EQU COMREGSV,4	AREA FOR SAVING CUT-OFF DATE R41 K2575100
		00080		17399	COQCLS EQU X'80'	FLAG FOR CLASS STRING EXISTS K2575500
		00040		17400	COQCNCLE EQU X'40'	FLAG FOR CANCEL HELD DATA SETS K2576000
		00020		17401	COQRTE EQU X'20'	FLAG FOR RE-ROUTING DESIRED K2576500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
003AA8				17403	LTORG ,	K2577500
003AA8	D5D640D6E4E3D7E4			17404	=C'NO OUTPUT QUEUED'	
003AB8	D5D640C4C1E3C140			17405	=C'NO DATA SET(S) CANCELLED'	
003AD0	D1D6C24DE25D40D5			17406	=C'JOB(S) NOT FOUND'	
003AE0	0000FFFF			17407	=A(X'0000FFFF')	
003AE4	5C5C5C5C			17408	=C'****'	
003AE8	40C27EE8			17409	=C' B=Y'	
003AEC	7E5C5C6B			17410	=C' =**,'	
003AF0	0000FFFF			17411	=X'0000FFFF'	
003AF4	000046AA			17412	=A(CLJHLDTB)	
003AF8	00001A48			17413	=A(CVALIDTB)	
003AFC	00001EA0			17414	=A(\$IOTPUR)	
003B00	00000003			17415	=F'3'	
003B04	D5D640E2E3D6D9C1			17416	=C'NO STORAGE AVAILABLE'	
003B18	7FFF			17417	=H'32767'	
003B1A	2710			17418	=H'10000'	
003B1C	D6E4E340D97E			17419	=C'OUT R='	
003B22	0046			17420	=H'70'	
003B24	0064			17421	=H'100'	
003B26	C3D3C1E2E240			17422	=C'CLASS '	
003B2C	0004			17423	=H'4'	
003B2E	0003			17424	=H'3'	
003B30	0005			17425	=H'5'	
003B32	0001			17426	=H'1'	
003B34	C67EE7E7E7E740C3			17427	=C'F=XXXX C=XXXX T=XXXX W= (NONE) '	
003B53	40D67E			17428	=C' O='	
003B56	40C3D3C1E2E240			17429	=C' CLASS '	
003B5D	C4C1E3C140E2C5E3			17430	=C'DATA SETS RELEASED TO'	
003B72	C3C1D5C3C5D3D3C5			17431	=C'CANCELLED'	
003B7B	D5D640C8C5D3C440			17432	=C'NO HELD DATA SETS'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
				17434		PUSH USING	BNSW K2577551
				17435	BNSWCMD	\$COMGRUP DP,U7D,UJ,US,UT,DELAY=NO ADDED COMMANDS	BNSW K2577552
003B8C				17436+	BNSWCMD	DS 0H	K0088500
		03B8C		17437+		USING *,BASE3 ADDRESSABILITY	K0089000
003B8C	07F1			17438+		BR R1 GO TO SUB-PROCESSOR SELECTED	K0091000
		03B8E		17439	CDP	EQU * DISPLAY OUTPUT QUEUES (FOR A	BNSW K2577553
				17440	*	PARTICULAR CLASS IF REQUESTED)	BNSW K2577554
				17442	*****		BNSW K2577556
				17443	*	*	BNSW K2577557
				17444	*	\$DP OR \$DPX X=CLASS TO BE DISPLAYED, DEFAULT ALL *	BNSW K2577558
				17445	*	*	BNSW K2577559
				17446	*****		BNSW K2577560
		00000		17448		USING JOEDSECT,R1	BNSW K2577562
003B8E	5810 5000	00000		17450	L	R1,0(,WD) A(1ST OPERAND) I.E. 'P'	BNSW K2577564
003B92	1B33			17451	SR	WB,WB CLASS INDEX - 0=ALL	BNSW K2577565
003B94	9540 1001	00001		17452	CLI	1(R1),C' ' IF NO CLASS SPECIFIED	BNSW K2577566
003B98	4780 8058	03BE4		17453	BE	CDPALLC THEN DISPLAY ALL CLASSES	BNSW K2577567
				17454	*	ELSE CHECK VALIDITY OF CLASS:	BNSW K2577568
003B9C	41F0 0024	00024		17455	LA	R15,L'CDPCLSES NUMBER OF VALID CLASSES	BNSW K2577569
003BA0	4130 3001	00001		17456	CDPFNCLS	LA WB,1(,WB) 1=A , 2=B , ...	BNSW K2577570
003BA4	4343 802B	03BB7		17457	IC	WC,CDPCLSES-1(WB) CLASS FROM LIST	BNSW K2577571
003BA8	BD41 1001	00001		17458	CLM	WC,1,1(R1) IF THIS IS THE CLASS	BNSW K2577572
003BAC	4780 8050	03BDC		17459	BE	CDPHAVCL THEN GO FIND JOE'S	BNSW K2577573
003BB0	46F0 8014	03BA0		17460	BCT	R15,CDPFNCLS ELSE CHECK AGAINST NEXT IN LIST	BNSW K2577574
				17462		\$CFINVO OPERAND=(R1) MSG 'INVALID OPERAND' + GET OUT	BNSW K2577576
003BB4	47F0 C7A6	007A6		17463+	B	COFINVO REPLY INVALID OPERAND	K0636500
003BB8	C1C2C3C4C5C6C7C8			17465	CDPCLSES	DC C'ABCDEFGHIJKLMNPOQRSTUVWXYZ0123456789' CLASS LIST	BNSW K2577578
003BDC				17467	CDPHAVCL	DS 0H RUN THRU CLASS QUEUE IN JOT	BNSW K2577580
003BDC	4540 8098	03C24		17468	BAL	WC,CDPPRC PROCESS SPECIFIED CLASS	BNSW K2577581
003BE0	47F0 806A	03BF6		17469	B	CDPEND AND GET OUT WITH FINAL MSG.	BNSW K2577582
003BE4	4130 3001	00001		17471	CDPALLC	LA WB,1(,WB) 1ST/NEXT CLASS TO PROCESS	BNSW K2577584
003BE8	4540 8098	03C24		17472	BAL	WC,CDPPRC PROCESS A CLASS	BNSW K2577585
003BEC	4140 0024	00024		17473	LA	WC,L'CDPCLSES NUMBER OF CLASSES	BNSW K2577586
003BF0	1934			17474	CR	WB,WC IF NOT ON LAST ONE	BNSW K2577587
003BF2	4770 8058	03BE4		17475	BNE	CDPALLC THEN DO NEXT CLASS	BNSW K2577588
		03BF6		17477	CDPEND	EQU * ALL DONE - SETUP FINAL MSG AND	BNSW K2577590
				17478	*	GET OUT. CODE HERE IS EXACTLY	BNSW K2577591
				17479	*	THE SAME AS AT 'CDQEND'	BNSW K2577592
003BF6	58F0 B150	00150		17480	L	R15,\$SSVT A(SSVT)	BNSW K2577593
003BFA	5810 F3F0	003F0		17481	L	R1,\$SVTGALC-SSVT(,R15) GROUPS ALLOCATED	BNSW K2577594
003BFE	5C00 84F4	04080		17482	M	R0,=F'100' CALCULATE	BNSW K2577595
003C02	5D00 F3F4	003F4		17483	D	R0,\$SVTGTOT-SSVT(,R15) PERCENTAGE	BNSW K2577596
				17484		\$CFCVE VALUE=(R1) MAKE PRINTABLE	BNSW K2577597
003C06	1801			17485+	LR	R0,R1	CJ018000
003C08	45E0 C4BA	004BA		17486+	BAL	LINK,COFCVE CONVERT TO EBCDIC	K0233000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
003C0C	D202 D0B6 D092	000B6	00092	17487	MVC	COMMAND(3),COMDWORK+2 INTO MSG	BNSW K2577598
003C12	D219 D0B9 8500	000B9	0408C	17488	MVC	COMMAND+3(26),=C' PERCENT SPOOL UTILIZATION'	BNSW K2577599
				17489	\$CRET	L=29 GET OUT AND ISSUE MSG	BNSW K2577600
003C18				17490+	DS	0H	Z0006000
003C18	4100 001D		0001D	17491+	LA	R0,29	K0124500
003C1C	41F0 0008		00008	17492+	LA	R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
003C20	47F0 C1AC		001AC	17493+	B	CORET RETURN	K0137500
003C24				17495	CDPPRC	DS 0H PROCESS CLASS INDICATED BY WB	BNSW K2577602
003C24	5040 D0A4		000A4	17496	ST	WC,COMWREGS+12 KEEP RETURN ADDR	BNSW K2577603
003C28	4313 802B		03BB7	17497	IC	R1,CDPCLSES-1(WB) GET CHAR FOR CLASS	BNSW K2577604
003C2C	4210 D09C		0009C	17498	STC	R1,COMWREGS+4 AND KEEP IT	BNSW K2577605
003C30	4113 3000		00000	17499	LA	R1,0(WB,WB) 2,4,6,...	BNSW K2577606
003C34	4111 0006		00006	17500	LA	R1,(JOTCLSQ-JOTDSECT)-(JOENEXT-JOEDSECT+2)(R1) DISP	BNSW K2577607
003C38	5E10 B23C		0023C	17501	AL	R1,\$JOTABLE ACTUAL ADDR TO START	BNSW K2577608
003C3C	5010 D098		00098	17502	ST	R1,COMWREGS KEEP STARTING POINT FOR THIS Q	BNSW K2577609
003C40	4810 1000		00000	17504	CDPNXTJO	LH R1,JOENEXT 1ST/NEXT JOE OFFSET/4	BNSW K2577611
003C44	5410 84F8		04084	17505	N	R1,=X'0000FFFF'	ENSURE +
003C48	4780 8128		03CB4	17506	BZ	CDPPRCR GET OUT IF NO MORE JOE'S	BNSW K2577613
003C4C	8910 0002		00002	17507	SLL	R1,2 *4 FOR ACTUAL OFFSET	BNSW K2577614
003C50	5E10 B23C		0023C	17508	AL	R1,\$JOTABLE ADD ADDR OF JOT	BNSW K2577615
003C54	5010 D0A0		000A0	17509	ST	R1,COMWREGS+8 KEEP ADDR OF CURRENT JOE	BNSW K2577616
003C58	48E0 1010		00010	17510	LH	R14,JOEJQE JOE OFFSET/4	BNSW K2577617
003C5C	54E0 84F8		04084	17511	N	R14,=X'0000FFFF'	ENSURE +
003C60	89E0 0002		00002	17512	SLL	R14,2 *4 FOR ACTUAL OFFSET	BNSW K2577619
003C64	5EE0 B1C0		001C0	17513	AL	R14,\$JOBQPTR A(JQE)	BNSW K2577620
				17515 *		BUILD MSG AND ISSUE \$CWTO	BNSW K2577622
003C68	4540 812E		03CBA	17517	BAL	WC,CDPIJOB IDENTIFY JOB	BNSW K2577624
003C6C	4540 8176		03D02	17518	BAL	WC,CDPICLAS IDENTIFY OUTPUT CLASS	BNSW K2577625
003C70	4540 8184		03D10	17519	BAL	WC,CDPILNS NUMBER OF LINES	BNSW K2577626
				17521		\$CWTO L=CDPOLEN ISSUE MSG	BNSW K2577628
003C74				17522+	DS	0H	Z0006000
003C74	4100 0039		00039	17523+	LA	R0,CDPOLEN	K0154000
003C78	4520 C07A		0007A	17524+	BAL	WA,CWTO REPLY TO OPERATOR	K0161500
				17526 *		MAKE SURE THAT THE JOE THAT WE WERE WORKING WITH IS STILL	BNSW K2577630
				17527 *		ON THE QUEUE.	BNSW K2577631
003C7C	5810 D098		00098	17528	L	R1,COMWREGS GET START POINT FOR THE QUEUE	BNSW K2577632
003C80	4810 1000		00000	17529	CDPNXTJX	LH R1,JOENEXT 1ST/NEXT JOE	BNSW K2577633
003C84	5410 84F8		04084	17530	N	R1,=X'0000FFFF'	ENSURE +
003C88	4780 8114		03CA0	17531	BZ	CDPINCM NOT FOUND - MSG 'LIST INCOMPLETE' SW	K2577635
003C8C	8910 0002		00002	17532	SLL	R1,2 *4 FOR ACTUAL OFFSET	BNSW K2577636
003C90	5E10 B23C		0023C	17533	AL	R1,\$JOTABLE A(JOE)	BNSW K2577637
003C94	5910 D0A0		000A0	17534	C	R1,COMWREGS+8 IF THIS IS THE ONE WE WERE WORKING W	K2577638
003C98	4770 80F4		03C80	17535	BNE	CDPNXTJX WITH THEN CONTINUE AS NORMAL ELSE SW	K2577639
				17536 *		TRY NEXT JOE ON THE QUEUE.	BNSW K2577640
003C9C	47F0 80B4		03C40	17537	B	CDPNXTJO JOE FOUND - CONTINUE	BNSW K2577641
003CA0	D219 D0B6 821E	000B6	03DAA	17539	CDPINCM	MVC COMMAND(L'CDPCLIC),CDPCLIC 'LIST INCOMPLETE'	BNSW K2577643

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003CA6	D200	D0D0 D09C	000D0	0009C	17540	MVC	COMMAND+L'CDPCLIC(1),COMWREGS+4 CLASS	BNSW	K2577644
					17541	\$CWTO	L=L'CDPCLIC+1 ISSUE MSG	BNSW	K2577645
003CAC					17542+	DS	0H		Z0006000
003CAC	4100	001B		0001B	17543+	LA	R0,L'CDPCLIC+1		K0154000
003CB0	4520	C07A		0007A	17544+	BAL	WA,CWTO	REPLY TO OPERATOR	K0161500
003CB4	5840	D0A4		000A4	17546	CDPPRCR	L WC,COMWREGS+12	RESTORE RETURN ADDR	BNSW K2577647
003CB8	07F4				17547	BR	WC		BNSW K2577648
003CBA					17549	CDPIJOB	DS 0H	PUT JOB IDENTITY IN MSG	BNSW K2577650
003CBA	D207	D0BB E014	000BB	00014	17550	MVC	CDPOJNAM,JQEJNAME-JQE(R14) MOVE IN JOBNAME	BNSW	K2577651
003CC0	480E	0002		00002	17551	LH	R0,JQEJOBNO-JQE(R14) JOB NUMBER	BNSW	K2577652
003CC4	D204	D0B6 81D8	000B6	03D64	17552	MVC	CDPOJID,CDPCJID	ASSUME 'JOB'	BNSW K2577653
003CCA	4900	851A		040A6	17553	CH	R0,=H'10000'	IS IT JOB	BNSW K2577654
003CCE	4740	815E		03CEA	17554	BL	CDPCONJN	IF SO GO CONVERT NUMBER	BNSW K2577655
003CD2	D204	D0B6 81DD	000B6	03D69	17555	MVC	CDPOJID,CDPCTID	TRY FOR 'TSU'	BNSW K2577656
003CD8	4B00	851C		040A8	17556	SH	R0,=H'20000'	SUBTRACT TSUS BASE	BNSW K2577657
003CDC	47B0	815E		03CEA	17557	BNM	CDPCONJN	GO CONVERT IF IT IS TSU	BNSW K2577658
003CE0	D204	D0B6 81E2	000B6	03D6E	17558	MVC	CDPOJID,CDPCSID	MUST BE STC	BNSW K2577659
003CE6	4A00	851A		040A6	17559	AH	R0,=H'10000'	MAKE STC NUMBER +VE	BNSW K2577660
003CEA	4E00	D090		00090	17560	CDPCONJN	CVD R0,COMDWORK		BNSW K2577661
003CEE	D205	D0C5 81EA	000C5	03D76	17561	MVC	CDPOJNUM,CDPCJPAT	EDIT PATTERN	BNSW K2577662
003CF4	DE05	D0C5 D095	000C5	00095	17562	ED	CDPOJNUM,COMDWORK+(8-L'CDPOJNUM/2)		BNSW K2577663
003CFA	D202	D0C3 81E7	000C3	03D73	17563	MVC	CDPOJNID,CDPCJNID '#'		BNSW K2577664
003D00	07F4				17564	BR	WC		BNSW K2577665
003D02					17566	CDPICLAS	DS 0H	PUT OUTPUT CLASS INTO MSG	BNSW K2577667
003D02	D200	D0D3 D09C	000D3	0009C	17567	MVC	CDPOCLAS,COMWREGS+4 A,B,C,...		BNSW K2577668
003D08	D207	D0CB 81F0	000CB	03D7C	17568	MVC	CDPOCLID,CDPCCLID 'CLASS'		BNSW K2577669
003D0E	07F4				17569	BR	WC		BNSW K2577670
003D10					17571	CDPILNS	DS 0H	NUMBER OF LINES AND INDICATION	BNSW K2577672
003D10	D209	D0E5 8214	000E5	03DA0	17572	MVC	CDPOPRIN,CDPCBLNK	IF THE JOB IS CURRENTLY PRINTING	NSW K2577673
003D16	5800	1014		00014	17573	L	R0,JOERECCT	NUMBER OF LINES	BNSW K2577674
003D1A	9120	1004		00004	17574	TM	JOEFLAG,\$JOEPR	IF JOB IS NOT PRINTING	BNSW K2577675
003D1E	47E0	81C0		03D4C	17575	BNO	CDPNOTPR	THEN DON'T LOOK FOR CHKPT JOE	BNSW K2577676
003D22	D209	D0E5 820A	000E5	03D96	17577	MVC	CDPOPRIN,CDPCPRIN	'PRINTING' TO MSG	BNSW K2577678
					17578	*	JOB PRINTING, SUBTRACT NUMBER OF LINES PRINTED FROM TOTAL.	NSW	K2577679
003D28	9180	1004		00004	17579	TM	JOEFLAG,\$JOECKV	IF CHKPT NOT VALID	BNSW K2577680
003D2C	47E0	81C0		03D4C	17580	BNO	CDPNOTPR	THEN DON'T LOOK AT IT	BNSW K2577681
003D30	4810	1006		00006	17581	LH	R1,JOECKPT	OFFSET/4 FOR CHKPT JOE	BNSW K2577682
003D34	5410	84F8		04084	17582	N	R1,=X'0000FFFF'	ENSURE +	BNSW K2577683
003D38	8B10	0002		00002	17583	SLA	R1,2	*4 FOR ACTUAL OFFSET	BNSW K2577684
003D3C	4780	81C0		03D4C	17584	BZ	CDPNOTPR	SKIP IT IF NOT AVAILABLE	BNSW K2577685
003D40	5E10	B23C		0023C	17585	AL	R1,\$JOTABLE	A(CHKPT JOE)	BNSW K2577686
003D44	5B00	100C		0000C	17586	S	R0,JOETLNC	TOTAL-(NO. PRINTED)	BNSW K2577687
003D48	5810	D0A0		000A0	17587	L	R1,COMWREGS+8	RESTORE A(WORK JOE)	BNSW K2577688
003D4C	4E00	D090		00090	17589	CDPNOTPR	CVD R0,COMDWORK	NUMBER OF LINES	BNSW K2577690
003D50	D207	D0DD 8202	000DD	03D8E	17590	MVC	CDPONLIN,CDPCLPAT	EDIT PATTERN	BNSW K2577691
003D56	DE07	D0DD D094	000DD	00094	17591	ED	CDPONLIN,COMDWORK+(8-L'CDPONLIN/2)		BNSW K2577692

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
003D5C	D209 D0D4 81F8	000D4	03D84	17592	MVC	CDPOLINS,CDPCLINS 'LINES'	BNSW K2577693
003D62	07F4			17593	BR	WC	BNSW K2577694
				17595 *		FIELD 'COMWREGS' USED AS FOLLOWS:	BNSW K2577696
				17596 *			BNSW K2577697
				17597 *		COMWREGS+0(4) OFFSET OF START OF CURRENT WORK JOE Q	NSW K2577698
				17598 *		COMWREGS+4(1) CLASS CURRENTLY BEING PROCESSED	BNSW K2577699
				17599 *		COMWREGS+8(4) ADDR OF CURRENT WORK JOE	BNSW K2577700
				17600 *		COMWREGS+12(4) RETURN ADDR FROM 'CDPPRC'	BNSW K2577701
				17601 *			BNSW K2577702
003D64	40D1D6C240			17603	CDPCJID DC	C' JOB ' IDENTIFY 'JOB' IN MSG	BNSW K2577704
003D69	40E3E2E440			17604	CDPCTID DC	C' TSU ' IDENTIFY 'TSU' IN MSG	BNSW K2577705
003D6E	40E2E3C340			17605	CDPCSID DC	C' STC ' IDENTIFY 'STC' IN MSG	BNSW K2577706
003D73	40407B			17606	CDPCJNID DC	C' #' IDENTIFY JOB NUMBER	BNSW K2577707
003D76	602020202021			17607	CDPCJPAT DC	X'602020202021' JOB NUMBER PATTERN	BNSW K2577708
003D7C	4040C3D3C1E2E240			17608	CDPCCLID DC	C' CLASS ' IDENTIFY CLASS IN MSG	BNSW K2577709
003D84	4040404040D3C9D5			17609	CDPCLINS DC	C' LINES ' IDENTIFY CLASS IN MSG	BNSW K2577710
003D8E	4020202020202021			17610	CDPCLPAT DC	X'4020202020202021' NUMBER OF LINES PATTERN	BNSW K2577711
003D96	4040D7D9C9D5E3C9			17611	CDPCPRIN DC	C' PRINTING' IF JOB IS PRINTING	BNSW K2577712
003DA0	4040404040404040			17612	CDPCBLNK DC	CL(L'CDPCPRIN)' ' IF JOB NOT PRINTING	BNSW K2577713
003DAA	D3C9E2E340C9D5C3			17613	CDPCLIC DC	C'LIST INCOMPLETE FOR CLASS '	BNSW K2577714
				17615 *		EQUATES FOR OUTPUT LINE. THESE TOGETHER WITH THE ABOVE	BNSW K2577716
				17616 *		CONSTANTS DETERMINE THE FORMAT OF THE MESSAGE.	BNSW K2577717
		000B6		17618	CDPOJID EQU	COMMAND,L'CDPCJID 'JOB','TSU','STC'	BNSW K2577719
		000BB		17619	CDPOJNAM EQU	CDPOJID+L'CDPOJID,8 JOBNAME	BNSW K2577720
		000C3		17620	CDPOJNID EQU	CDPOJNAM+L'CDPOJNAM,L'CDPCJNID '#'	BNSW K2577721
		000C5		17621	CDPOJNUM EQU	CDPOJNID+L'CDPOJNID-1,L'CDPCJPAT JOB NUMBER	BNSW K2577722
		000CB		17622	CDPOCLID EQU	CDPOJNUM+L'CDPOJNUM,L'CDPCCLID 'CLASS'	BNSW K2577723
		000D3		17623	CDPOCLAS EQU	CDPOCLID+L'CDPOCLID,1 CLASS BYTE	BNSW K2577724
		000D4		17624	CDPOLINS EQU	CDPOCLAS+L'CDPOCLAS,L'CDPCLINS 'LINES'	BNSW K2577725
		000DD		17625	CDPONLIN EQU	CDPOLINS+L'CDPOLINS-1,L'CDPCLPAT NUMBER OF LINES	BNSW K2577726
		000E5		17626	CDPOPRIN EQU	CDPONLIN+L'CDPONLIN,L'CDPCPRIN 'PRINTING'	BNSW K2577727
		00039		17627	CDPOLEN EQU	CDPOPRIN+L'CDPOPRIN-COMMAND LENGTH OF MSG	BNSW K2577728

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				17630	*****	BNSW K2577731
				17631	*	* BNSW K2577732
				17632	* ROUTINES FOR \$U COMMAND:	* BNSW K2577733
				17633	*	* BNSW K2577734
				17634	* EG'S \$U'JOBNAME',O=V,C=Z (FROM CLASS V TO CLASS Z)	* BNSW K2577735
				17635	* \$UJ101,O=*,C=A (ALL CLASSES TO CLASS A)	* BNSW K2577736
				17636	* \$UT15-16,O=AB5,C=V (CLASSES A,B,5 TO CLASS V)	* BNSW K2577737
				17637	*	* BNSW K2577738
				17638	*****	BNSW K2577739
003DC4				17640	CU7D DS 0H \$U'JOBNAME'	BNSW K2577741
003DC4	5810 5000	00000		17641	L R1,0(,WD) A(OPERAND) IE 1ST ""	BNSW K2577742
003DC8	5840 5004	00004		17642	L WC,4(,WD) END OF OPERAND +2	BNSW K2577743
003DCC	0640			17643	BCTR WC,0 BACK TO END	BNSW K2577744
003DCE	0640			17644	BCTR WC,0 OF OPERAND	BNSW K2577745
003DD0	957D 4000	00000		17645	CLI 0(WC),C'''' ENDING ' IS OPTIONAL	BNSW K2577746
003DD4	4770 824E	03DDA		17646	BNE CUNOSUB IF NOT ' LAST BYTE PART OF NAME	BNSW K2577747
003DD8	0640			17647	BCTR WC,0 END OF NAME	BNSW K2577748
003DDA	1B41			17648	CUNOSUB SR WC,R1 LENGTH OF NAME	BNSW K2577749
003DDC	47D0 832A	03EB6		17649	BNP CUJINVO NO NAME - GET OUT	BNSW K2577750
003DE0	0640			17650	BCTR WC,0 LENGTH FOR EX	BNSW K2577751
003DE2	4100 0007	00007		17651	LA R0,7 MAX LEN	BNSW K2577752
003DE6	1940			17652	CR WC,R0 TRUNCATE	BNSW K2577753
003DE8	47D0 8262	03DEE		17653	BNH CUOKL IF	BNSW K2577754
003DEC	1840			17654	LR WC,R0 TOO LONG	BNSW K2577755
003DEE	D207 D17E 84EC 0017E 04078			17655	CUOKL MVC COMJNAME,=CL8' ' INIT JOBNAME	BNSW K2577756
003DF4	4440 82B2	03E3E		17656	EX WC,CUMVC	BNSW K2577757
				17658	* LOOK FOR JOB IN JOB QUEUE.	BNSW K2577759
		00000		17659	USING JQEDSECT,R1	BNSW K2577760
				17660	\$CFJSCAN PROCESS=CUPROC,NEXT=CUNEXTJ	BNSW K2577761
				17661+	*****	K1045000
				17662+	* SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				17663+	*****	K1046000
003DF8	41F0 005E	0005E		17664+	LA R15,\$JQTYPES*2 NO. OF JOB QUEUES (TIMES 2) @OZ29819	K1048600
003DFC	40F0 D08A	0008A		17665+	CJS0517A STH R15,COMJQHDS SAVE JOB QUEUE HEADER INDEX R4	K1049500
003E00	411F B54E	0054E		17666+	LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE R4	K1050000
003E04	4810 1006	00006		17667+	CUNEXTJ LH R1,JQECHAIN GET OFFSET OF NEXT JQE R4	K1055500
003E08	5410 84FC	04088		17668+	N R1,=A('X'0000FFFF') INSURE OFFSET POSITIVE R4	K1056000
003E0C	4780 8290	03E1C		17669+	BZ CJS0517C BR IF END OF QUEUE R4	K1056500
003E10	8910 0002	00002		17670+	SLL R1,2 GET TRUE R4	K1057000
003E14	5E10 B1C0	001C0		17671+	AL R1,\$JOBQPTR JQE ADDRESS R4	K1057500
003E18	47F0 82B8	03E44		17672+	B CUPROC AND ENTER PROCESS ROUTINE R4	K1058000
003E1C	48F0 D08A	0008A		17673+	CJS0517C LH R15,COMJQHDS GET CURRENT JOB QUEUE HDR INDEX R4	K1059000
003E20	06F0			17674+	BCTR R15,0 REDUCE OFFSET BY 1 R4	K1059500
003E22	46F0 8270	03DFC		17675+	BCT R15,CJS0517A BR IF ANOTHER JOB QUEUE R4	K1061500
003E26	D207 D0B6 D17E 000B6 0017E			17676	MVC COMMAND(8),COMJNAME JOB NOT FOUND - BNSW	K2577762
003E2C	D20D D0BE 851E 000BE 040AA			17677	MVC COMMAND+8(14),=C' JOB NOT FOUND' SETUP MSG BNSW	K2577763
				17678	\$CRET L=22 AND GET OUT BNSW	K2577764
003E32				17679+	DS 0H Z0006000	
003E32	4100 0016	00016		17680+	LA R0,22 K0124500	
003E36	41F0 0008	00008		17681+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE K0133000	
003E3A	47F0 C1AC	001AC		17682+	B CORET RETURN K0137500	
003E3E	D200 D17E 1001 0017E 00001			17684	CUMVC MVC COMJNAME(1),1(R1) TO MOVE JOBNAME FROM COMMAND BNSW	K2577766

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003E44	D507 D17E 1014	0017E	00014	17686	CUPROC	CLC COMJNAME,JQEJNAME	IS THIS THE REQD JOB BNSW K2577768
003E4A	4770 8278	03E04		17687		BNE CUNEXTJ	GET NEXT IF NO MATCH BNSW K2577769
003E4E	4840 1002	00002		17688		LH WC,JQEJOBNO	GET JOB NUMBER BNSW K2577770
003E52	4040 D108	00108		17689		STH WC,CUJWJLO	LO JOB NO BNSW K2577771
003E56	4040 D10A	0010A		17690		STH WC,CUJWJHI	SAME AS HI JOB NO BNSW K2577772
003E5A	47F0 8300	03E8C		17691		B CUJHAVJ	PROCESS OTHER OPERANDS BNSW K2577773
003E5E			00000	17693		USING JOEDSECT,R1	BNSW K2577775
003E5E	4820 851A	040A6		17694	CUS	DS 0H	\$US BNSW K2577776
003E62	47F0 82E4	03E70		17695		LH WA,=H'10000'	STCS LO END BNSW K2577777
				17696		B CUJA	COMMON BNSW K2577778
003E66				17698	CUT	DS 0H	\$UT BNSW K2577780
003E66	4820 851C	040A8		17699		LH WA,=H'20000'	TSUS LO END BNSW K2577781
003E6A	47F0 82E4	03E70		17700		B CUJA	COMMON BNSW K2577782
003E6E				17702	CUJ	DS 0H	\$UJ BNSW K2577784
003E6E	1B22			17703		SR WA,WA	JOBS LO END BNSW K2577785
003E70				17705	CUJA	\$CFCVB POINTER=(WD),NOK=CUJINVO	GET JOB NUBER RANGE BNSW K2577787
003E70	1815			17706	CUJA	DS 0H	Z0006000
003E72	45E0 C456	00456		17707		LR R1,WD	CJ018000
003E76	47F0 832A	03EB6		17708		BAL LINK,COFCVB	CONVERT NUMBERS TO BINARY K0193500
003E7A	1200			17709		B CUJINVO	BRANCH IF OPERAND INVALID K0196500
003E7C	47D0 832A	03EB6		17710		LTR R0,R0	IF 'HI' JOB NUMBER NOT +VE BNSW K2577788
003E80	1A02			17711		BNP CUJINVO	THEN GET OUT WITH ERROR MSG BNSW K2577789
003E82	4000 D10A	0010A		17712		AR R0,WA	HI JOB NUMBER BNSW K2577790
003E86	1A12			17713		STH R0,CUJWJHI	KEEP HI JOB NUMBER BNSW K2577791
003E88	4010 D108	00108		17714		AR R1,WA	LO JOB NUMBER BNSW K2577792
003E8C	9200 D132	00132		17715		STH R1,CUJWJLO	KEEP LO JOB NUMBER BNSW K2577793
				17716	CUJHAVJ	MVI CUJWFLG,0	INIT FLAG BNSW K2577794
003E90	1557			17718		CLR WD,WF	IF NO MORE OPERANDS BNSW K2577796
003E92	47B0 8332	03EBE		17719		BNL CUJMISS	THEN ISSUE MISSING OP MSG BNSW K2577797
003E96	8656 83BE	03F4A		17720	CUJLOOP	BXH WD,WE,CUJEND	LOOK AT NEXT OP BNSW K2577798
003E9A	5810 5000	00000		17721		L R1,0(,WD)	A(OPERAND) BNSW K2577799
003E9E	957E 1001	00001		17722		CLI 1(R1),C'='	C= OR O= BNSW K2577800
003EA2	4770 832A	03EB6		17723		BNE CUJINVO	GET OUT IF '=' NOT THERE BNSW K2577801
003EA6				17724		\$CFSEL (C,CUJCLAS),(O,CUJOUT),OPERAND=(R1)	B DEP ON C OR O NSW K2577802
003EA6	95C3 1000	00000		17725		DS 0H	Z0006000
003EAA	4780 8394	03F20		17726		CLI 0(R1),C'C'	TEST CHARACTER R4 K1097000
003EAE	95D6 1000	00000		17727		BE CUJCLAS	BR IF MATCH R4 K1097500
003EB2	4780 8344	03ED0		17728		CLI 0(R1),C'O'	TEST CHARACTER R4 K1097000
				17729		BE CUJOUT	BR IF MATCH R4 K1097500
003EB6	5810 5000	00000		17731	CUJINVO	L R1,0(,WD)	INVALID OPERAND POINTER BNSW K2577804
003EBA	47F0 C7A6	007A6		17732		\$CFINVO OPERAND=(R1)	GET OUT WITH MSG BNSW K2577805
				17733		B COFINVO	REPLY INVALID OPERAND K0636500
003EBE				17735	CUJMISS	\$CRET MSG='OPERANDS MISSING FOR \$U'	GET OUT WITH MSG BNSW K2577807
003EBE	D216 D0B6 852C	000B6	040B8	17736	CUJMISS	DS 0H	Z0006000
003EC4	4100 0017	00017		17737		MVC COMMAND(23),=C'OPERANDS MISSING FOR \$U'	K0131000
				17738		LA R0,23	SET LENGTH OF MSG IN R0 K0131500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22
003EC8	41F0 0008	00008		17739+	LA	R15,CORTMSG	RETURN AND ISSUE MESSAGE	K0133000
003ECC	47F0 C1AC	001AC		17740+	B	CORET	RETURN	K0137500
003ED0	9640 D132	00132		17742 *		O=CLASSES OR O=* FOR ALL CLASSES EG O=ABV	BNSW	K2577809
003ED4	D723 D10E D10E	0010E 0010E		17743	CUJOUT	OI CUJWFLG,CUJEOUT	O= OPERAND FOUND	BNSW K2577810
003EDA	58F0 5004	00004		17744	XC	CUJWOCLS,CUJWOCLS	CLEAR REQUIRED CLASES	BNSW K2577811
003EDE	06F0			17745	L	R15,4(,WD)	NEXT OR NULL OPERAND	BNSW K2577812
003EE0	4110 1002	00002		17746	BCTR	R15,0	BACK TO ','	BNSW K2577813
003EE4	955C 1000	00000		17747	LA	R1,2(,R1)	1ST OUT CLASS	BNSW K2577814
003EE8	4770 836A	03EF6		17748	CLI	0(R1),C' '*	IF NOT 'ALL CLASSES'	BNSW K2577815
003EEC	D223 D10E 802C	0010E 03BB8		17749	BNE	CUJSCLS	THEN GO SCAN LIST	BNSW K2577816
003EF2	47F0 830A	03E96		17750	MVC	CUJWOCLS,CDPCLSES	ELSE MOVE IN LIST OF ALL CLASES	BNSW K2577817
003EF6	191F			17751	B	CUJLOOP	AND GO GET NEXT OP	BNSW K2577818
003EF6	191F			17753	CUJSCLS	CR R1,R15	IF AT END OF THIS OPERAND	BNSW K2577820
003EF8	47B0 830A	03E96		17754	BNL	CUJLOOP	THEN GO GET NEXT	BNSW K2577821
003EFC	41E0 0024	00024		17755	LA	R14,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW K2577822
003F00	430E 802B	03BB7		17756	CUJFCLSO	IC R0,CDPCLSES-1(R14)	PICK UP CLASS (WORKING BACWARDS)	NSW K2577823
003F04	BD01 1000	00000		17757	CLM	R0,1,0(R1)	IF CLASS MATCHES	BNSW K2577824
003F08	4780 8388	03F14		17758	BE	CUJHCLSO	GO PUT IT IN LIST	BNSW K2577825
003F0C	46E0 8374	03F00		17759	BCT	R14,CUJFCLSO	ELSE TRY NEXT VALID CLASS	BNSW K2577826
003F10	47F0 832A	03EB6		17760	B	CUJINVO	CLASS NOT VALID - ISSUE MSG	BNSW K2577827
003F14	420E D10D	0010D		17762	CUJHCLSO	STC R0,CUJWOCLS-1(R14)	CLASS REQUIRED INTO LIST	BNSW K2577829
003F18	4110 1001	00001		17763	LA	R1,1(,R1)	NEXT IN COMMAND	BNSW K2577830
003F1C	47F0 836A	03EF6		17764	B	CUJSCLS	CHECK FOR MORE	BNSW K2577831
003F20	9680 D132	00132		17766	CUJCLAS	OI CUJWFLG,CUJECLAS	'TO' CLASS OPERAND	BNSW K2577833
003F24	41E0 0024	00024		17767	LA	R14,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW K2577834
003F28	430E 802B	03BB7		17768	CUJFCLSN	IC R0,CDPCLSES-1(R14)	GET A VALID CLASS	BNSW K2577835
003F2C	BD01 1002	00002		17769	CLM	R0,1,2(R1)	IF CLASS IN LIST	BNSW K2577836
003F30	4780 83B0	03F3C		17770	BE	CUJHCLSN	GO STORE IT	BNSW K2577837
003F34	46E0 839C	03F28		17771	BCT	R14,CUJFCLSN	ELSE TRY NEXT	BNSW K2577838
003F38	47F0 832A	03EB6		17772	B	CUJINVO	INVALID 'TO' CLASS	BNSW K2577839
003F3C	4200 D10D	0010D		17774	CUJHCLSN	STC R0,CUJWNCLS	STORE NEW CLASS	BNSW K2577841
003F40	06E0			17775	BCTR	R14,0	CLASS NO A=0,B=1,...	BNSW K2577842
003F42	40E0 D106	00106		17776	STH	R14,CUJWNCLN	USE LATER TO FIND CLASS Q IN JOT	NSW K2577843
003F46	47F0 830A	03E96		17777	B	CUJLOOP	GET NEXT OPERAND	BNSW K2577844
003F4A				17779	CUJEND	DS 0H	ALL OPERANDS SCANNED	BNSW K2577846
003F4A	91C0 D132	00132		17780	TM	CUJWFLG,CUJECLAS+CUJEOUT	C= AND O= BOTH REQD	BNSW K2577847
003F4E	47E0 8332	03EBE		17781	BNO	CUJMISS	IF NOT BOTH THERE ISSUE MSG	BNSW K2577848
003F52	48E0 D106	00106		17782	LH	R14,CUJWNCLN	NEW CLASS NO. 0,1,2,...	BNSW K2577849
003F56	1B00			17783	SR	R0,R0	REMOVE ANY REQUEST TO CHANGE	BNSW K2577850
003F58	420E D10E	0010E		17784	STC	R0,CUJWOCLS(R14)	CLASS TO WHAT IT WAS (EG C=A,O=A)	SW K2577851
003F5C	05F0			17786	CUJGETQ	\$QSUSE ,	ENQUEUE	BNSW K2577853
003F5C	05F0			17787+	CUJGETQ	BALR R15,0	SET RETURN ADDR FROM \$QSUSE	R4 GM014000
003F5E	9180 B427	00427		17788+	TM	\$STATUS,\$QSONDA	MAY QUEUES BE USED...	@OZ27300 GM016000
003F62	4770 B068	00068		17789+	BNZ	\$QSUSES	BR TO \$QSUSE ROUTINE IF NO	R4 GM024000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
				17791 *		FIND ANY OUTPUT WHICH MATCHES THAT SPECIFIED IN THE	BNSW K2577855
				17792 *		COMMAND.	BNSW K2577856
				17793 *		SCAN JOT CLASS QUEUES FOR THE REQUIRED CLASSES AND CHECK	BNSW K2577857
				17794 *		IF THE JOES BELONG TO A REQUESTED JOB.	BNSW K2577858
003F66	1B22			17796	SR	WA,WA 1ST CLASS NUMBER	BNSW K2577860
003F68	1B11			17797	CUJSCNJ SR	R1,R1	BNSW K2577861
003F6A	4312 D10E	0010E		17798	IC	R1,CUJWOCLS(WA) GET CLASS OR 0 IF THAT CLASS	BNSW K2577862
003F6E	1211			17799	LTR	R1,R1 IS NOT REQUIRED.	BNSW K2577863
003F70	4780 848E	0401A		17800	BZ	CUJENDCL GET NEXT CLASS IF NOT REQUIRED.	BNSW K2577864
003F74	4210 D10C	0010C		17801	STC	R1,CUJWCURC KEEP CURRENT CLASS	BNSW K2577865
003F78	4112 2008	00008		17802	LA	R1,(JOTCLSQ-JOTDSECT)-(JOENEXT-JOEDSECT)(WA,WA) DSP	BNSW K2577866
003F7C	5E10 B23C	0023C		17803	AL	R1,\$JOTABLE ADDR OF JOT CLASS QUEUE HEAD	BNSW K2577867
003F80	4830 1000	00000		17804	LH	WB,JOENEXT 1ST JOE OFFSET/4	BNSW K2577868
003F84	1841			17805	CUJNXTJO LR	WC,R1 KEEP A(PREV JOE) (OR CLS Q HEAD)	NSW K2577869
003F86	1813			17806	CUJNXTJX LR	R1,WB NEXT/1ST JOE	BNSW K2577870
003F88	5410 84F8	04084		17807	N	R1,=X'0000FFFF' ENSURE +VE	BNSW K2577871
003F8C	4780 848E	0401A		17808	BZ	CUJENDCL GET OUT IF NO MORE	BNSW K2577872
003F90	8910 0002	00002		17809	SLL	R1,2 *4 FOR ACTUAL OFFSET	BNSW K2577873
003F94	5E10 B23C	0023C		17810	AL	R1,\$JOTABLE A(JOE)	BNSW K2577874
003F98	4830 1000	00000		17811	LH	WB,JOENEXT OFFSET FOR NEXT JOE FOR THIS CLS	NSW K2577875
003F9C	9120 1004	00004		17812	TM	JOEFLAG,\$JOEPRT IF PRINTING	BNSW K2577876
003FA0	4710 83F8	03F84		17813	BO	CUJNXTJO THEN DONT TOUCH IT	BNSW K2577877
				17815 *		WE HAVE FOUND OUTPUT OF A MATCHING CLASS, NOW CHECK JOB	BNSW K2577879
003FA4	48E0 1010	00010		17816	LH	R14,JOEJQE JOE OFFSET/4	BNSW K2577880
003FA8	54E0 84F8	04084		17817	N	R14,=X'0000FFFF' ENSURE +	BNSW K2577881
003FAC	89E0 0002	00002		17818	SLL	R14,2 ACTUAL OFFSET	BNSW K2577882
003FB0	5EE0 B1C0	001C0		17819	AL	R14,\$JOBQPTR A(JQE)	BNSW K2577883
003FB4	48FE 0002	00002		17820	LH	R15,JQEJOBNO-JQEDSECT(R14) GET JOB NUMBER AND	BNSW K2577884
003FB8	49F0 D108	00108		17821	CH	R15,CUJWJLO CHECK	BNSW K2577885
003FBC	4740 83F8	03F84		17822	BL	CUJNXTJO RANGE	BNSW K2577886
003FC0	49F0 D10A	0010A		17823	CH	R15,CUJWJHI OF	BNSW K2577887
003FC4	4720 83F8	03F84		17824	BH	CUJNXTJO JOBNUMBERS	BNSW K2577888
				17826 *		DO ACTUAL SWAP.	BNSW K2577890
003FC8	9620 D132	00132		17827	OI	CUJWFLG,CUJEDONE INDICATE JOT UPDATED	BNSW K2577891
				17829 *		WC HAS ADDR OF PREV JOE OR CLASS QUEUE HEADER	BNSW K2577893
				17830 *		WB HAS NEXT JOE OFFSET	BNSW K2577894
003FCC	4034 0000	00000		17831	STH	WB,JOENEXT-JOEDSECT(WC) TAKE JOE OFF 'FROM' QUEUE	BNSW K2577895
003FD0	48E0 D106	00106		17832	LH	R14,CUJWNCLN NEW ('TO') CLASS NO 0,1,2,...	BNSW K2577896
003FD4	41EE E008	00008		17833	LA	R14,JOTCLSQ-JOTDSECT(R14,R14) DISP OF CLASS Q	BNSW K2577897
003FD8	5EE0 B23C	0023C		17834	AL	R14,\$JOTABLE A(CLASS Q HEADER)	BNSW K2577898
003FDC	D201 1000 E000	00000 00000		17835	MVC	JOENEXT,0(R14) HOOK REST OF Q ONTO THIS JOE	BNSW K2577899
003FE2	D200 1012 D10D	00012 0010D		17836	MVC	JOECURCL,CUJWNCLS NEW CLASS TO JOE	BNSW K2577900
003FE8	5F10 B23C	0023C		17837	SL	R1,\$JOTABLE JOE OFFSET	BNSW K2577901
003FEC	8810 0002	00002		17838	SRL	R1,2 /4	BNSW K2577902
003FF0	401E 0000	00000		17839	STH	R1,0(R14) JOE ONTO 'TO' Q	BNSW K2577903
003FF4	8910 0002	00002		17840	SLL	R1,2 *4 OFFSET AGAIN	BNSW K2577904
				17841		\$#CKPT JOE=(R1),TYPE=D REQUEST CHKPT OF CURRENT JOE	BNSW K2577905
003FF8	90E1 B3A0	003A0		17842+	STM	R14,R1,\$CSAVREG @OZ40444 AJ008000	
003FFC	58F0 B07C	0007C		17843+	L	R15,\$JOEOFFA GET ENTRY POINT ADDRESS @OZ40444 AJ014000	
004000	05EF			17844+	BALR	R14,R15 CHECKPOINT ALTERED JOE @OZ40444 AJ028000	
004002	98E1 B3A0	003A0		17845+	LM	R14,R1,\$CSAVREG @OZ40444 AJ034000	

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				17846		\$#CKPT JOE=(WC),TYPE=A	REQ CHKPT OF PREV JOE OR Q HEADER SW K2577906
004006	90E1 B3A0	003A0		17847+	STM	R14,R1,\$CSAVREG	@OZ40444 AJ008000
00400A	1814			17848+	LR	R1,WC	CJ018000
00400C	58F0 B078	00078		17849+	L	R15,\$JOECKPA	GET ENTRY POINT ADDRESS @OZ40444 AJ024000
004010	05EF			17850+	BALR	R14,R15	CHECKPOINT ALTERED JOE @OZ40444 AJ028000
004012	98E1 B3A0	003A0		17851+	LM	R14,R1,\$CSAVREG	@OZ40444 AJ034000
004016	47F0 83FA	03F86		17852	B	CUJNXTJX	GET NEXT - PREVIOUS REMAINS SAME NSW K2577907
00401A	4120 2001	00001		17854	CUJENDCL	LA WA,1(,WA)	NEXT CLASS NUMBER BNSW K2577909
00401E	4110 0024	00024		17855	LA	R1,L'CUJWOCLS	NUMBER OF CLASSES BNSW K2577910
004022	1921			17856	CR	WA,R1	IF NOT AT END BNSW K2577911
004024	4770 83DC	03F68		17857	BNE	CUJSCNJ	DO NEXT CLASS BNSW K2577912
				17859 *		AT END OF SCAN CHECK IF JOT HAS BEEN UPDATED	BNSW K2577914
004028	9120 D132	00132		17860	TM	CUJWFLG,CUJEDONE	IF JOT NOT UPDATED BNSW K2577915
00402C	47E0 84D4	04060		17861	BNO	CUJNOCH	ISSUE MSG + GET OUT BNSW K2577916
004030	4810 D106	00106		17863	LH	R1,CUJWNCLN	'TO' CLASS NO. 0,1,2... BNSW K2577918
004034	4111 1008	00008		17864	LA	R1,JOTCLSQ-JOTDSECT(R1,R1) DISP OF Q HEADER	BNSW K2577919
				17865		\$#CKPT JOE=(R1),TYPE=D	REQ CHPKT OF 'TO' Q HEADER BNSW K2577920
004038	90E1 B3A0	003A0		17866+	STM	R14,R1,\$CSAVREG	@OZ40444 AJ008000
00403C	58F0 B07C	0007C		17867+	L	R15,\$JOEOFFA	GET ENTRY POINT ADDRESS @OZ40444 AJ014000
004040	05EF			17868+	BALR	R14,R15	CHECKPOINT ALTERED JOE @OZ40444 AJ028000
004042	98E1 B3A0	003A0		17869+	LM	R14,R1,\$CSAVREG	@OZ40444 AJ034000
				17870		\$POST \$HASPECF,(JOT,CKPW)	POST JOT AND REQUEST CHKPT WRITE NSW K2577921
				17871+*			THIS CARD DELETED BY APAR @OZ27300 FX120000
004046	9610 B427	00427		17872+	OI	\$STATUS,\$CKPTW	SET CKPT-WRITE REQUEST @OZ27300 FX145200
00404A	947E B4B1	004B1		17873+	NI	\$HASPECF+\$EWBCKPW,255-\$EWFCKPW-\$EWFJOT	RESET EVENTS FX152000
				17875		\$CRET MSG='SYSOUT CLASS/ES CHANGED'	ISSUE MSG + RETURN BNSW K2577923
00404E				17876+	DS	0H	Z0006000
00404E	D216 D0B6 8543	000B6 040CF		17877+	MVC	COMMAND(23),=C'SYSOUT CLASS/ES CHANGED'	K0131000
004054	4100 0017	00017		17878+	LA	R0,23	SET LENGTH OF MSG IN R0 K0131500
004058	41F0 0008	00008		17879+	LA	R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
00405C	47F0 C1AC	001AC		17880+	B	CORET	RETURN K0137500
				17882	CUJNOCH	\$CRET MSG='NO OUTPUT FOUND'	RETURN WITH MSG BNSW K2577925
004060				17883+	CUJNOCH	DS 0H	Z0006000
004060	D20E D0B6 855A	000B6 040E6		17884+	MVC	COMMAND(15),=C'NO OUTPUT FOUND'	K0131000
004066	4100 000F	0000F		17885+	LA	R0,15	SET LENGTH OF MSG IN R0 K0131500
00406A	41F0 0008	00008		17886+	LA	R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
00406E	47F0 C1AC	001AC		17887+	B	CORET	RETURN K0137500
				17889		*****	BNSW K2577927
				17890	*		BNSW K2577928
				17891	*	END OF 'COMMAND' USED AS WORK AREA	BNSW K2577929
				17892	*		BNSW K2577930
		00106		17893	CUJWNCLN	EQU COMMAND+80,2	NEW ('TO') CLASS NUMBER BNSW K2577931
		00108		17894	CUJWJLO	EQU CUJWNCLN+L'CUJWNCLN,2	LO JOB NO. BNSW K2577932
		0010A		17895	CUJWJHI	EQU CUJWJLO+L'CUJWJLO,2	HI JOB NO. BNSW K2577933
		0010C		17896	CUJWCURC	EQU CUJWJHI+L'CUJWJHI,1	CURRENT CLASS BNSW K2577934
		0010D		17897	CUJWNCLS	EQU CUJWCURC+L'CUJWCURC,1	NEW ('TO') CLASS BNSW K2577935
		0010E		17898	CUJWOCLS	EQU CUJWNCLS+L'CUJWNCLS,L'CDPCLSES OLD ('FROM') CLASSES	BNSW K2577936
		00132		17899	CUJWFLG	EQU CUJWOCLS+L'CUJWOCLS,1	FLAG BYTE: BNSW K2577937

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
			00080	17900	CUJECLAS EQU X'80'	C= FOUND BNSW K2577938
			00040	17901	CUJEOUT EQU X'40'	O= FOUND BNSW K2577939
			00020	17902	CUJEDONE EQU X'20'	JOT UPDATED BNSW K2577940
				17903	*	BNSW K2577941
				17904	*****	BNSW K2577942
				17906	POP USING BACK TO WHAT IT WAS	BNSW K2577944
004078				17908	LTORG	BNSW K2577946
004078	4040404040404040			17909	=CL8' '	
004080	00000064			17910	=F'100'	
004084	0000FFFF			17911	=X'0000FFFF'	
004088	0000FFFF			17912	=A(X'0000FFFF')	
00408C	40D7C5D9C3C5D5E3			17913	=C' PERCENT SPOOL UTILIZATION'	
0040A6	2710			17914	=H'10000'	
0040A8	4E20			17915	=H'20000'	
0040AA	40D1D6C240D5D6E3			17916	=C' JOB NOT FOUND'	
0040B8	D6D7C5D9C1D5C4E2			17917	=C'OPERANDS MISSING FOR \$U'	
0040CF	E2E8E2D6E4E340C3			17918	=C'SYSOUT CLASS/ES CHANGED'	
0040E6	D5D640D6E4E3D7E4			17919	=C'NO OUTPUT FOUND'	
				17920	*****	BNSW K2577947

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				17922	HASPCJB2 \$COMGRUP AJ,AS,AT,CJ,CS,CT,DJ,DS,DT,EJ,HJ,HS,HT,LJ,LS,LT, PJ,PS,PT,DELAY=YES DECLARE SUB-PROCESSOR	CK2578500 K2579000
0040F6				17923+	HASPCJB2 DS 0H	K0088500
		040F6		17924+	USING *,BASE3 ADDRESSABILITY	K0089000
0040F6				17925+	COF0550 DS 0H 'BR R1' TO ENTER SUB-PROCESSOR	K0093000
				17926	*****	K2579500
				17927	*	* K2580000
				17928	* JOB NUMBER LISTS ARE OF THE FOLLOWING FORM	* K2580500
				17929	*	* K2581000
				17930	* \$V JXXN1-M1,N2-M2,...,NX-MX	* K2581500
				17931	* \$V = HASP COMMAND VERB	* K2582000
				17932	* JXX = JOB, JB, JOBS, ETC. (J IS ONLY ID REQUIRED)	* K2582500
				17933	* NI-MI (I=1 TO X) = PAIR OF START STOP VALUES, IE. 1-10	* K2583000
				17934	* INDICATING THAT JOBS 1,2,3,4,5,6,7,8,9,10 ARE	* K2583500
				17935	* DESIRED. (-M VALUES ARE OPTIONAL)	* K2584000
				17936	*	* K2584500
				17937	* NOTES	* K2585000
				17938	*	* K2585500
				17939	* (1) A RESPONSE IS REQUIRED FOR EACH JOB	* K2586000
				17940	*	* K2586500
				17941	* (2) COMNULOP IS USED FOR FLAGS DURING PROCESSING AS FOLLOWS	* K2587000
				17942	*	* K2587500
				17943	* X'80' - A JOB WAS FOUND DURING SCAN FOR JOBS	* K2588000
				17944	* X'40' - THE VERB IS C WITH DUMP SPECIFIED	* K2588500
				17945	* X'02' - THE VERB IS P	* K2589000
				17946	* X'01' - THE VERB IS C WITH PURGE SPECIFIED	* K2589500
				17947	*	* K2590000
				17948	* THESE DEFINITIONS MUST NOT BE CHANGED WITHOUT CHANGING	* K2590500
				17949	* THE \$JCAN MACRO INSTRUCTION.	* K2591000
				17950	*	* K2591500
				17951	*****	K2592000
			00080	17952	CCJFJOB EQU X'80' JOB FOUND FLAG	K2592500
			00040	17953	CCJFDUMP EQU X'40' VERB IS C WITH DUMP FLAG	K2593000
			00010	17954	CPJQOPER EQU X'10' CANCEL A JOB(S) DATA SETS	K2593500
			00008	17955	CCJFDISP EQU X'08' OUTPUT IS DISPLAY ONLY @OZ40275	K2593600
			00004	17956	CLJHOLD EQU X'04' LIST HELD DATA SETS FLAG	K2594000
			00002	17957	CCJFSTOP EQU X'02' VERB IS P (STOP) FLAG	K2594500
			00001	17958	CCJFPURG EQU X'01' VERB IS C WITH PURGE FLAG	K2595000
			001DC	17959	CPJQCLS EQU COMREGSV,9 SAVE AREA FOR CLASSES TO BE CNCLD	K2595500
0040F6	D504 D0B7 8682	000B7	04778	17960	CLC COMVERB(5),=C'PJES2' CHECK FOR STOP JES2	K2596000
0040FC	4770 8016	0410C		17961	BNE CAJNJES2 NO--CONTINUE JOB LIST COMMANDS	K2596500
004100	4810 863E	04734		17962	LH R1,=Y(CPJES2-HASPCSY1) SET OFFSET TO PROCESSOR	K2597000
004104	5880 8602	046F8		17963	L BASE3,=A(HASPCSY1) PT TO SUB-PROCESSOR FOR \$PJES2	K2597500
004108	1E18			17964	ALR R1,BASE3 COMPUTE ENTRY ADDRESS	K2598000
00410A	07F8			17965	BR BASE3 GO STOP JES2	K2598500
00410C				17966	CAJNJES2 DS 0H NOT \$PJES2 COMMAND	K2599000
00410C	D503 D0B7 8606	000B7	046FC	17967	CLC COMVERB(4),=C'LSYS' CHECK FOR LIST SYSTEM STATUS	K2599500
004112	4770 802C	04122		17968	BNE CAJNLSYS NO--SKIP SETTING OFFSETS	K2600000
004116	4810 8640	04736		17969	LH R1,=Y(CLSYS-HASPCSY1) SET OFFSET TO \$LSYS PROCESSOR	K2600500
00411A	5880 8602	046F8		17970	L BASE3,=A(HASPCSY1) POINT TO SYSTEM COMMANDS	K2601000
00411E	1E18			17971	ALR R1,BASE3 COMPUTE \$LSYS ENRTY ADDRESS	K2601500
004120	07F8			17972	BR BASE3 ENTER SYSTEM COMMAND GROUP	K2602000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
004122				17974	CAJNLSYS DS 0H	NOT \$LSYS COMMAND K2602500
004122	1831			17975	LR WB,R1	SAVE OFFSET TO JOB LIST K2603000
				17976	* HIGH BYTE OF COMNULOP IS ZERO	K2603500
004124	95C4 D0B7	000B7		17977	CLI COMVERB,C'D'	TEST COMMAND @OZ40275 K2603600
004128	4780 8042	04138		17978	BE CAJDISP	BR IF 'D' @OZ40275 K2603650
00412C	95D3 D0B7	000B7		17979	CLI COMVERB,C'L'	TEST COMMAND @OZ40275 K2603700
004130	4780 8042	04138		17980	BE CAJDISP	BR IF 'L' @OZ40275 K2603750
004134	47F0 8046	0413C		17981	B CAJLOOP	BR TO PROCESS COMMAND @OZ40275 K2603800
004138	9608 D1D8	001D8		17983	CAJDISP OI COMNULOP,CCJFDISP	INDICATE DISPLAY ONLY @OZ40275 K2603900
00413C	5810 5000	00000		17985	CAJLOOP L R1,0(0,WD)	POINT TO OPERAND K2604000
004140	95F0 1000	00000		17986	CLI 0(R1),C'0'	DOES IT START WITH NUMERIC K2604500
004144	47B0 810E	04204		17987	BNL CAJLOOPC	IF SO CONTINUE CONVERSION K2605000
004148	1F44			17988	SLR WC,WC	ASSUME BASE FOR JX... K2605500
00414A	95D1 1000	00000		17989	CLI 0(R1),C'J'	IS IT JOB K2606000
00414E	4780 810E	04204		17990	BE CAJLOOPC	CONVERT IF YES K2606500
004152	4840 8642	04738		17991	LH WC,=H'10000'	ASSUME BASE FOR SX... K2607000
004156	95E2 1000	00000		17992	CLI 0(R1),C'S'	IS IT STC K2607500
00415A	4780 810E	04204		17993	BE CAJLOOPC	CONVERT IF YES K2608000
00415E	4840 8644	0473A		17994	LH WC,=H'20000'	ASSUME BASE FOR TX... K2608500
004162	95E3 1000	00000		17995	CLI 0(R1),C'T'	IS IT TSU K2609000
004166	4780 810E	04204		17996	BE CAJLOOPC	CONVERT IF YES K2609500
00416A	95C3 D0B7	000B7		17997	CLI COMVERB,C'C'	CHECK FOR CANCEL OPTIONS K2610000
00416E	4780 80EE	041E4		17998	BE CAJCANCL	YES--CHECK FOR CANCEL OPTIONS K2610500
004172	95D7 D0B7	000B7		17999	CLI COMVERB,C'P'	TEST FOR STOP OPTIONS K2611000
004176	4780 809C	04192		18000	BE CAJSTOP	YES--TEST FOR STOP OPTION K2611500
00417A	95D3 D0B7	000B7		18001	CLI COMVERB,C'L'	TEST FOR OPTIONS FOE LIST K2612000
00417E	4770 8198	0428E		18002	BNE CAJINVO	NO--OTHER JOB LISTS HAVE NO OPTION K2612500
004182	95C8 1000	00000		18003	CLI 0(R1),C'H'	TEST FOR REQUEST TO LIST HELD DS K2613000
004186	4770 8198	0428E		18004	BNE CAJINVO	NO--INVALID LIST OPTION K2613500
00418A	9604 D1D8	001D8		18005	OI COMNULOP,CLJHOLD	YES--FLAG OPTION FOR HOLD LIST K2614000
00418E	47F0 8106	041FC		18006	B CAJADJWF	GO ADJUST OPERAND PTRS K2614500
004192				18008	CAJSTOP DS 0H	REQUEST IS AN OPTION FOR STOP JOB K2615500
004192	D501 1000 8646	00000 0473C		18009	CLC 0(2,R1),=C'Q='	TEST FOR CORRECT OPTION K2616000
004198	4770 8198	0428E		18010	BNE CAJINVO	NO--EXIT IN ERROR K2616500
00419C	58F0 5004	00004		18011	L R15,4(,WD)	PT TO NEXT OPERAND K2617000
0041A0	1FF1			18012	SLR R15,R1	COMPUTE OPERAND K2617500
0041A2	4BF0 8648	0473E		18013	SH R15,=H'4'	SIZE-LESS 'Q=' K2618000
0041A6	4740 8198	0428E		18014	BM CAJINVO	IF NEGATIVE--NO CLASSES EXIST K2618500
0041AA	58E0 860A	04700		18015	L R14,=A(CVALIDTB)	POINT TO TEST TABLE R4 K2619000
0041AE	44F0 80E2	041D8		18016	EX R15,CPJQTEST	TEST FOR VALID CLASS STRING K2619500
0041B2	4770 8198	0428E		18017	BNZ CAJINVO	INVALID CLASSES K2620000
0041B6	49F0 80CA	041C0		18018	CH R15,*+10	TEST FOR MAX OF EIGHT CLASSES K2620500
0041BA	47D0 80CC	041C2		18019	BNH *+8	YES--USE SUBMITTED LENGTH K2621000
0041BE	41F0 0007	00007		18020	LA R15,L'CPJQCLS-2	NO--USE MAXIMUM OF EIGHT K2621500
0041C2	9200 D1DC	001DC		18021	MVI CPJQCLS,0	SET SAVE AREA TO ZEROES K2622000
0041C6	D207 D1DD D1DC	001DD 001DC		18022	MVC CPJQCLS+1(L'CPJQCLS-1),CPJQCLS DITTO	K2622500
0041CC	44F0 80E8	041DE		18023	EX R15,CPJQMVT	MOVE CLASSES INTO SAVE AREA K2623000
0041D0	9610 D1D8	001D8		18024	OI COMNULOP,CPJQOPER	FLAG GOOD OPERAND FOUND K2623500
0041D4	47F0 8106	041FC		18025	B CAJADJWF	GO ADJUST OPERAND PTRS K2624000
0041D8	DD00 1002 E000	00002 00000		18026	CPJQTEST TRT 2(*-*,R1),0(R14)	*** EXECUTE ONLY *** R4 K2624500
0041DE	D200 D1DC 1002	001DC 00002		18027	CPJQMVT MVC CPJQCLS(*-*),2(R1)	**** EXECUTE ONLY **** K2625000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0041E4				18029	CAJCANCL DS 0H	OPTIONS FOR CANCEL COMMAND K2626000
0041E4	9640 D1D8	001D8		18030	OI COMNULOP,CCJFDUMP	ASSUME OPTION IS 'DUMP' K2626500
0041E8	95C4 1000	00000		18031	CLI 0(R1),C'D'	TEST FOR SAME K2627000
0041EC	4780 8106	041FC		18032	BE CAJADJWF	IF SO--ADJUST OPERAND PTRS K2627500
0041F0	9741 D1D8	001D8		18033	XI COMNULOP,CCJFDUMP+CCJFPURG	SET PURGE OPTION K2628000
0041F4	95D7 1000	00000		18034	CLI 0(R1),C'P'	TEST FOR SAME K2628500
0041F8	4770 8198	0428E		18035	BNE CAJINVO	NO--INVALID OPTION K2629000
0041FC				18036	CAJADJWF DS 0H	SET THIS OPERAND AS LAST ONE K2629500
0041FC	1875			18037	LR WF,WD	SET THIS AS LAST K2630000
0041FE	1F76			18038	SLR WF,WE	PT TO FIRST K2630500
004200	47F0 812E	04224		18039	B CAJGO	GO GET JOB(S) K2631000
				18041	CAJLOOPC \$CFCVB POINTER=(WD),NOK=CAJINVO	CONVERT NUMBERS TO BINARY K2632000
004204				18042+	CAJLOOPC DS 0H	Z0006000
004204	1815			18043+	LR R1,WD	CJ018000
004206	45E0 C456	00456		18044+	BAL LINK,COFCVB	CONVERT NUMBERS TO BINARY K0193500
00420A	47F0 8198	0428E		18045+	B CAJINVO	BRANCH IF OPERAND INVALID K0196500
00420E	1211			18046	LTR R1,R1	JOB ZERO R4 K2632500
004210	4780 8198	0428E		18047	BZ CAJINVO	ERROR IF YES R4 K2633000
004214	1A04			18048	AR R0,WC	ADD BASE VALUES K2633500
004216	1A14			18049	AR R1,WC	TO HIGH AND LOW K2634000
004218	4000 5002	00002		18050	STH R0,2(0,WD)	STORE FINAL VALUE K2634500
00421C	4010 5000	00000		18051	STH R1,0(0,WD)	STORE START VALUE K2635000
004220	8756 8046	0413C		18052	BXLE WD,WE,CAJLOOP	COMPLETE FOR ALL STRINGS K2635500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
004224	4150 D188	00188		18054 CAJGO	LA WD,COMPNTER	POINT TO FIRST OPERAND POINTER R4 K2636000
				18055 *	START STOP VALUES STORED IN OPERAND POINTER AREA	K2636500
004228	4840 5000	00000		18056 CAJLOOPA	LH WC,0(0,WD)	PICK UP FIRST JOB OF PAIR K2637000
00422C	1FAA			18057 CAJLOOPB	SLR R10,R10	ZERO HIT RECORDER K2637500
00422E	4820 5002	00002		18058	LH WA,2(0,WD)	SET UPPER BOUND AND RESULT K2638000
004232	9108 D1D8	001D8		18059	TM COMNULOP,CCJFDISP	DISPLAY ONLY... @OZ40275 K2638100
004236	4710 814E	04244		18060	BO CAJSCAN	BR IF YES @OZ40275 K2638200
				18061	\$QSUSE ,	ENQUEUE ON SHARED RESOURCE K2638500
00423A	05F0			18062+	BALR R15,0	SET RETURN ADDR FROM \$QSUSE R4 GM014000
00423C	9180 B427	00427		18063+	TM \$STATUS,\$QSONDA	MAY QUEUES BE USED... @OZ27300 GM016000
004240	4770 B068	00068		18064+	BNZ \$QSUSES	BR TO \$QSUSE ROUTINE IF NO R4 GM024000
				18066 CAJSCAN	\$CFJSCAN PROCESS=CAJPRO,NEXT=CAJNEXTJ	SCAN JOB QUEUE @OZ40275 K2639500
				18067+	*****	***** K1045000
				18068+	* SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				18069+	*****	***** K1046000
004244				18070+CAJSCAN	DS 0H	R4 K1047000
004244	41F0 005E	0005E		18071+	LA R15,\$JQTYPES*2	NO. OF JOB QUEUES (TIMES 2) @OZ29819 K1048600
004248	40F0 D08A	0008A		18072+CJS0557A	STH R15,COMJQHDS	SAVE JOB QUEUE HEADER INDEX R4 K1049500
00424C	411F B54E	0054E		18073+	LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1050000
004250	4810 1006	00006		18074+CAJNEXTJ	LH R1,JQECHAIN	GET OFFSET OF NEXT JQE R4 K1055500
004254	5410 860E	04704		18075+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
004258	4780 8172	04268		18076+	BZ CJS0557C	BR IF END OF QUEUE R4 K1056500
00425C	8910 0002	00002		18077+	SLL R1,2	GET TRUE R4 K1057000
004260	5E10 B1C0	001C0		18078+	AL R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
004264	47F0 81A0	04296		18079+	B CAJPRO	AND ENTER PROCESS ROUTINE R4 K1058000
004268	48F0 D08A	0008A		18080+CJS0557C	LH R15,COMJQHDS	GET CURRENT JOB QUEUE HDR INDEX R4 K1059000
00426C	06F0			18081+	BCTR R15,0	REDUCE OFFSET BY 1 R4 K1059500
00426E	46F0 8152	04248		18082+	BCT R15,CJS0557A	BR IF ANOTHER JOB QUEUE R4 K1061500
004272	121A			18083	LTR R1,R10	DID WE GET A HIT K2640000
004274	4780 8240	04336		18084	BZ CAJNEXTP	IF NOT TRY NEXT PAIR K2640500
004278	1842			18085	LR WC,WA	SAVE JOB NUMBER K2641000
00427A	9680 D1D8	001D8		18086	OI COMNULOP,CCJFJOB	SET JOB FOUND FLAG @OZ40275 K2641500
00427E	07F3			18087	BR WB	ENTER SELECTED ROUTINE @OZ40275 K2641600

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18089	CAJHITA \$CFVQE NOK=CAJNEXTJ	VERIFY JOB OWNER @OZ40275 K2641800
004280				18090+	CAJHITA DS 0H	K1117000
004280	45E0 CA62	00A62		18091+	BAL LINK,COFVQE	VERIFY JOB'S OWNERSHIP K1118000
004284	4770 815A	04250		18092+	BNE CAJNEXTJ	OWNERSHIP NOT VERIFIED--'NOK' K1142500
004288	9680 D1D8	001D8		18093	OI COMNULOP,CCJFJOB	SET JOB FOUND FLAG K2642000
00428C	07F3			18094	BR WB	ENTER SELECTED ROUTINE R4 K2642500
00428E	5810 5000	00000		18095	CAJINVO L R1,0(0,WD)	PICK UP OPERAND ADDRESS K2643000
				18096	\$CFINVO OPERAND=(R1)	RETURN WITH INVALID OPERAND K2643500
004292	47F0 C7A6	007A6		18097+	B COFINVO	REPLY INVALID OPERAND K0636500
004296	4800 1002	00002		18098	CAJPRO LH R0,JQEJOBNO	PICK UP JOB NUMBER K2644000
00429A	1904			18099	CR R0,WC	CHECK AGAINST LOW BOUND K2644500
00429C	4740 815A	04250		18100	BL CAJNEXTJ	LOOP K2645000
0042A0	4780 818A	04280		18101	BE CAJHITA	STOP SCAN ON MATCH K2645500
0042A4	1902			18102	CR R0,WA	CHECK AGAINST UPPER BOUND K2646000
0042A6	4720 815A	04250		18103	BH CAJNEXTJ	LOOP K2646500
				18104	\$CFVQE NOK=CAJNEXTJ	VERIFY JOB OWNER @OZ40275 K2646600
0042AA				18105+	DS 0H	K1117000
0042AA	45E0 CA62	00A62		18106+	BAL LINK,COFVQE	VERIFY JOB'S OWNERSHIP K1118000
0042AE	4770 815A	04250		18107+	BNE CAJNEXTJ	OWNERSHIP NOT VERIFIED--'NOK' K1142500
0042B2	4820 1002	00002		18108	LH WA,JQEJOBNO	SAVE JOB NUMBER @OZ40275 K2647000
0042B6	18A1			18109	LR R10,R1	COPY JQE ADDRESS K2647500
0042B8	47F0 815A	04250		18110	B CAJNEXTJ	LOOP K2648000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18112	*****	K2649000
				18113	*	* K2649500
				18114	* \$A JOB LIST -- RELEASE JOB(S) HELD BY \$H JOB, \$H ALL,	* K2650000
				18115	* TYPERRUN=HOLD, ETC.	* K2650500
				18116	*	* K2651000
				18117	*****	K2651500
0042BC				18118	CAS DS 0H	K2652000
0042BC				18119	CAT DS 0H	K2652500
0042BC	D209 D0C7 864A	000C7	04740	18120	CAJ MVC COFQUE-1(10),=C' NOT HELD ' SET MESSAGE	K2653000
0042C2	91C0 1004	00004		18121	TM JQEFLGAS,QUEHOLDA+QUEHOLD1 IS JOB HELD	K2653500
0042C6	4780 81EA	042E0		18122	BZ CAJMSG IF NOT SEND NOT HELD	K2654000
0042CA	943F 1004	00004		18123	NI JQEFLGAS,255-QUEHOLDA-QUEHOLD1 RELEASE JOB	K2654500
0042CE	D207 D0C8 85DA	000C8	046D0	18124	MVC COFQUE(8),=C'RELEASED' SET MESSAGE	K2655000
				18125	\$POST \$SHASPECF,(JOB,JOT) POST JOB AND JOT	K2660000
				18126+*	THIS CARD DELETED BY APAR @OZ27300	FX120000
0042D4	945F B4B1	004B1		18127+	NI \$SHASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT RESET EVENTS	FX152000
0042D8	9684 B220	00220		18128	OI \$AQSE,QSEPJOB+QSEPJOT CAUSE X SYSTEM POST(S)	K2660500
				18129	\$QCKPT (R1) SET CHECKPOINT	K2661000
0042DC	45E0 B05C	0005C		18130+	BAL LINK,\$QCKPT LINK TO CONTROL SERVICE PROGRAM	GB010000
0042E0	4120 001B	0001B		18131	CAJMSG LA WA,COFQUE-COFJOB+9 SET LENGTH OF MESSAGE	K2661500
0042E4	D207 D0BF 1014	000BF	00014	18132	CAJMSG MVC COFJNAME,JQEJNAME SET JOB NAME	K2662000
0042EA	1804			18133	LR R0,WC COPY JOB NUMBER	K2662500
0042EC	D202 D0B6 8687	000B6	0477D	18134	SKIP140 MVC COFJOB,=C'JOB' SET ID	K2665500
0042F2	4900 8642	04738		18135	CH R0,=H'10000' CHECK FOR CORRECT	K2666000
0042F6	4740 821C	04312		18136	BL CAJMSGB IF OK SET NUMERIC	K2666500
0042FA	D202 D0B6 868A	000B6	04780	18137	MVC COFJOB,=C'TSU' SET ID	K2667000
004300	4B00 8644	0473A		18138	SH R0,=H'20000' CHECK FOR CORRECT	K2667500
004304	47B0 821C	04312		18139	BNL CAJMSGB IF OK SET NUMERIC	K2668000
004308	D202 D0B6 868D	000B6	04783	18140	MVC COFJOB,=C'STC' SET ID	K2668500
00430E	4A00 8642	04738		18141	AH R0,=H'10000' SET NUMERIC	K2669000
				18142	CAJMSGB \$CFCVE VALUE=(R0) CONVERT TO EBCDIC	K2669500
004312				18143+	CAJMSGB DS 0H	Z0006000
004312	45E0 C4BA	004BA		18144+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
004316	D204 D0B9 D090	000B9	00090	18145	MVC COFJNO,COMDWORK MOVE NUMBER	K2670000
00431C	9240 D0BE	000BE		18146	MVI COFJNAME-1,C' ' SET BLANK	K2670500
004320	94FE D0B5	000B5		18147	NI COMMID+1,X'FE' INDICATE JOB ID SET	K2671000
				18148	\$CWTO L=(WA) DISPLAY MESSAGE	K2671500
004324				18149+	DS 0H	Z0006000
004324	1802			18150+	LR R0,WA	K0157000
004326	4520 C07A	0007A		18151+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
00432A	4140 4001	00001		18152	CAJNEXT LA WC,1(0,WC) NEXT NUMBER OF SEQUENCE	K2672000
00432E	4940 5002	00002		18153	CH WC,2(0,WD) CHECK FOR END OF PAIR	K2672500
004332	47D0 8136	0422C		18154	BNH CAJLOOPB IF NOT, WORK ON NEXT JOB	K2673000
004336	8756 8132	04228		18155	CAJNEXTTP BXLE WD,WE,CAJLOOPA GO TO NEXT PAIR IF PRESENT	K2673500
00433A	9180 D1D8	001D8		18156	TM COMNULOP,CCJFJOBF TEST JOB FOUND FLAG	K2674000
00433E	4710 825E	04354		18157	BO CAJRET IF ON, EXIT	K2674500
				18158	\$CRET MSG='JOB(S) NOT FOUND'	K2675000
004342				18159+	DS 0H	Z0006000
004342	D20F D0B6 85E2	000B6	046D8	18160+	MVC COMMAND(16),=C'JOB(S) NOT FOUND'	K0131000
004348	4100 0010	00010		18161+	LA R0,16 SET LENGTH OF MSG IN R0	K0131500
00434C	41F0 0008	00008		18162+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
004350	47F0 C1AC	001AC		18163+	B CORET RETURN	K0137500
				18164	CAJRET \$CRET , EXIT	K2675500
004354				18165+	CAJRET DS 0H	Z0006000
004354	41F0 0000	00000		18166+	LA R15,CORTNORM NORMAL RETURN	K0137000
004358	47F0 C1AC	001AC		18167+	B CORET RETURN	K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18169	*****	K2676500
				18170	*	* K2677000
				18171	* \$C JOB LIST -- CANCEL JOB, DELETE APPROPRIATE PRINT/PUNCH	* K2677500
				18172	* FUNCTION AND DELETE JOB	* K2678000
				18173	*	* K2678500
				18174	*****	K2679000
00435C				18175	CCS DS 0H	K2679500
00435C				18176	CCT DS 0H	K2680000
00435C	1F00			18177	CCJ SLR R0,R0 ZERO OPTION REGISTER	K2680500
00435E	4300 D1D8	001D8		18178	IC R0,COMNULOP PICK UP REQUEST OPTIONS	K2681000
				18179	\$JCAN JQE=(R1),NOTJOB=CCNOTCAN,OK=CDJ CANCEL JOB	R41 K2681500
004362	58F0 B038	00038		18180+	L R15,\$JCAN POINT TO SERVICE ROUTINE	D9050000
004366	05EF			18181+	BALR R14,R15 ENTER IT	D9052000
004368	47F0 827E	04374		18182+	B CCNOTCAN CANCEL REJECTED FOR STC AND TSU JOB	D9054000
00436C	47F0 827A	04370		18183+	B *+4 CANCEL REJECTED FOR JOB IN OUTPUT	D9056000
004370	47F0 828C	04382		18184+	B CDJ JOB CANCELLED OR PURGED	D9060000
004374	D20E D0C7 8690	000C7 04786	18186	CCNOTCAN MVC	COFQUE-1(15),=C' NON-CANCELABLE' SET MESSAGE	R41 K2681900
00437A	4120 0020	00020	18187	LA	WA,COFQUE+14-COFJOB AND LENGTH	R41 K2682000
00437E	47F0 81EE	042E4	18188	B	CAJMSGA ISSUE DIAGNOSTIC AND CONTINUE	R41 K2682100

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18190	*****	K2682500
				18191	*	* K2683000
				18192	* \$D JOB LIST -- DISPLAY JOB(S)	* K2683500
				18193	*	* K2684000
				18194	*****	K2684500
004382				18195	CDS DS 0H	K2685000
004382				18196	CDT DS 0H	K2685500
				18197	CDJ \$CFJMSG , DISPLAY JOB INFORMATION	K2686000
004382				18198	+CDJ DS 0H	Z0006000
004382	92FF D117	00117		18199+	MVI COFOPT,COFU SET OPTION	K0750000
004386	927F D118	00118		18200+	MVI COFAFF,X'7F' SET FOR ALL SYSTEMS ACTIVE	K0751500
00438A	58A0 8612	04708		18201+	L R10,=A(COFJMSG) POINT TO SERVICE ROUTINE	R4 K0752500
00438E	052A			18202+	BALR WA,R10 CALL JOB INFORMATION MSG ROUTINE	R4 K0753000
004390	47F0 8234	0432A		18203	B CAJNEXT GO TO NEXT JOB	K2686500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18205	*****	K2687500
				18206	*	* K2688000
				18207	* \$H JOB LIST -- HOLD JOB(S), PREVENT FURTHER PROCESSING	* K2688500
				18208	*	* K2689000
				18209	*****	K2689500
004394				18210	CHS DS 0H	K2690000
004394				18211	CHT DS 0H	K2690500
004394	9640 1004	00004		18212	CHJ OI JOEFLAGS,QUEHOLD1 SET HOLD BIT ON	K2691000
				18213	CHJCKPT \$QCKPT (R1) SET CHECKPOINT	K2691500
004398				18214+	CHJCKPT DS 0H	Z0006000
004398	45E0 B05C	0005C		18215+	BAL LINK,\$QCKPT LINK TO CONTROL SERVICE PROGRAM	GB010000
00439C	47F0 828C	04382		18216	B CDJ DISPLAY JOB	K2692000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18218	*****	K2693000
				18219	*	* K2693500
				18220	* \$P JOB LIST -- STOP JOB WHEN CURRENT ACTIVITY IS COMPLETE	* K2694000
				18221	*	* K2694500
				18222	*****	K2695000
0043A0				18223	CPS DS 0H STOP A STC	K2695500
0043A0				18224	CPT DS 0H STOP A TSU	K2696000
0043A0				18225	CPJ DS 0H STOP A JOB	K2696500
0043A0	9110 D1D8	001D8		18226	TM COMNULOP,CPJQOPER TEST FOR REQUEST TO CANCEL OUTPUT	K2697000
0043A4	4710 82BA	043B0		18227	BO CPJQCAN YES--CANCEL SELECTED CLASSES	K2697500
0043A8	9602 D1D8	001D8		18228	OI COMNULOP,CCJFSTOP ELSE FLAG STOP JOB,STC,OR TSU	K2698000
0043AC	47F0 8266	0435C		18229	B CCJ AND ENTER CANCEL ROUTINE	K2698500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18231	*****	K2699500
				18232	*	* K2700000
				18233	* REQUEST IS TO CANCEL CLASS(ES) OF OUTPUT	* K2700500
				18234	* FOR A JOB, STC, OR A TSU	* K2701000
				18235	*	* K2701500
				18236	*****	K2702000
0043B0				18238	CPJQCAN DS 0H CANCEL INACTIVE OUTPUT	K2703000
				18239	\$QSUSE REQUEST ACCESS TO CKPT DATA R41	K2703100
0043B0	05F0			18240+	BALR R15,0 SET RETURN ADDR FROM \$QSUSE R4	GM014000
0043B2	9180 B427	00427		18241+	TM \$STATUS,\$QSONDA MAY QUEUES BE USED... @OZ27300	GM016000
0043B6	4770 B068	00068		18242+	BNZ \$QSUSES BR TO \$QSUSE ROUTINE IF NO R4	GM024000
0043BA	9036 D098	00098		18243	STM WB,WE,COMWREGS SAVE REGISTERS FOR WORK	K2703500
0043BE	5070 D0A8	000A8		18244	ST WF,COMFWORK SAVE CLASS POINTER REGISTER	K2704000
0043C2	1F22			18245	SLR WA,WA ZERO JOE REMOVED REGISTER	K2704500
0043C4	1831			18246	LR WB,R1 SAVE JQE ADDRESS FOR TESTING	K2705000
0043C6	4170 D1DC	001DC		18247	LA WF,CPJQCLS POINT TO CLASS LIST	K2706000
0043CA				18248	CPJQLOOP DS 0H LOOP THROUGH ALL CLASS(ES)	K2706500
0043CA	BF41 7000	00000		18249	ICM WC,1,0(WF) PICK-UP NEXT CLASS CHARACTER	K2707000
0043CE	4780 8336	0442C		18250	BZ CPJQEND IF LAST -- EXIT ROUTINE	K2707500
0043D2	5440 8616	0470C		18251	N WC,=A(255-X'C0') TURN 'OFF' HIGH ZONE(S)	K2708000
0043D6	58E0 861A	04710		18252	L R14,=A(CPQTABLE-1) PT TO CLASS CONVERT TABLE	K2708500
0043DA	4344 E000	00000		18253	IC WC,0(WC,R14) PICK-UP CORRESPONDING JOT OFFSET	K2709000
0043DE	4300 7000	00000		18254	IC R0,0(,WF) PICK-UP ACTUAL CLASS CHARACTER	K2709500
0043E2	4170 7001	00001		18255	LA WF,1(,WF) PT TO NEXT CLASS CHARACTER	K2710000
0043E6				18256	CPJQJOT DS 0H ENTER JOT SCAN ROUTINE	K2710500
0043E6	5850 B23C	0023C		18257	L WD,CDFJOT POINT TO THE JOT	K2711000
				18258	PUSH USING SAVE CURRENT USING STATUS	K2711500
		00000		18259	USING JOTDSECT,WD JOT ADDRESSABILITY	K2712000
		00000		18260	USING JOEDSECT,R1 JOE ADDRESSABILITY	K2712500
0043EA	1FFF			18261	SLR R15,R15 ZERO JOE OFFSET REGISTER	K2713000
0043EC	4114 5008	00008		18262	LA R1,JOTCLSQ-(JOENEXT-JOEDSECT)(WC) POINT TO HEAD OF Q	K2713500
0043F0	4810 1000	00000		18263	CPJQNXJO LH R1,JOENEXT GET OFFSET TO NEXT JOE	K2714000
0043F4	5410 860E	04704		18264	N R1,=A(X'0000FFFF') INSURE OFFSET IS POSITIVE	K2714500
0043F8	4780 82D4	043CA		18265	BZ CPJQLOOP IF LAST JOE--LOOP FOR MORE CLSES	K2715000
0043FC	8910 0002	00002		18266	SLL R1,2 EXPAND TO BYTE OFFSET R4	K2715500
004400	1E15			18267	ALR R1,WD COMPUTE JOE ADDRESS	K2716000
004402	9107 1004	00004		18268	TM JOEFLAG,\$JOEBUSY TEST FOR JOE BUSY	K2716500
004406	4770 82FA	043F0		18269	BNZ CPJQNXJO YES--GET NEXT JOE	K2717000
00440A	48E0 1010	00010		18270	LH R14,JOEJQE POINT TO JQE OFFSET	K2717500
00440E	54E0 861E	04714		18271	N R14,=X'0000FFFF' CLEAR LEFT HALFWORD @OZ37385	K2717700
004412	89E0 0002	00002		18272	SLL R14,2 COMPUTE ACTUAL JQE OFFSET (* 4)	K2718000
004416	5EE0 B1C0	001C0		18273	AL R14,\$JOBQPTR COMPUTE JQE ADDRESS	K2718500
00441A	153E			18274	CLR WB,R14 CHECK FOR DESIRED JOB	K2719000
00441C	4770 82FA	043F0		18275	BNE CPJQNXJO NO--GET NEXT JOE	K2719500
				18276	* THIS LINE DELETED BY APAR NUMBER @OZ24821	K2719700
				18277	* THIS LINE DELETED BY APAR NUMBER @OZ24821	K2719800
				18278	* THIS LINE DELETED BY APAR NUMBER @OZ24821	K2719900
				18279	* THIS LINE DELETED BY APAR OZ60258 @OZ60258	K2720000
				18280	* THIS LINE DELETED BY APAR OZ60258 @OZ60258	K2720100
				18281	* THIS LINE DELETED BY APAR OZ60258 @OZ60258	K2720500
				18282	* THIS LINE DELETED BY APAR OZ60258 @OZ60258	K2720600
				18283	* THIS LINE DELETED BY APAR OZ60258 @OZ60258	K2721000
004420	1827			18284	LR WA,WF SET JOE REMOVED REGISTER	K2721500
				18285	* THIS LINE DELETED BY APAR OZ67148 @OZ67148	K2721600
				18286	* THIS LINE DELETED BY APAR OZ67148 @OZ67148	K2721700

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004422	58F0 8622	04718		18287	L	R15,=A(\$IOTPUR)	REM THE JOE AND PURGE SPIN @OZ67148 K2721800
004426	05EF			18288	BALR	LINK,R15	DS TRACKS IF APPROPRIATE. @OZ67148 K2721900
				18289	*	THIS LINE DELETED BY APAR OZ67148	@OZ67148 K2721950
004428	47F0 82F0	043E6		18290	B	CPJQJOT	AND GET NEXT JOE K2722000
				18291	POP	USING	RESTORE USING'S K2745500
00442C				18293	CPJQEND	DS 0H	END OF JOE REMOVE ROUTINE K2746500
00442C	1813			18294	LR	R1,WB	RESTORE JOE POINTER K2747000
00442E	9836 D098	00098		18295	LM	WB,WE,COMWREGS	RESTORE REGISTERS K2747500
004432	5870 D0A8	000A8		18296	L	WF,COMFWORK	RELOAD SAVED REGISTER K2748000
004436	1222			18297	LTR	WA,WA	TEST FOR ANY JOES REMOVED K2748500
004438	4780 8354	0444A		18298	BZ	CPJQNONE	NO--SEND DIAGNOSTIC K2749000
00443C	D213 D0C7 8626	000C7	0471C	18299	MVC	COFQUE-1(20),=C' DATA SETS CANCELLED'	SET MESSAGE K2749500
004442	4120 0025	00025		18300	LA	WA,COFQUE-COFJOB+19	SET MESSAGE LENGTH K2750000
004446	47F0 81EE	042E4		18301	B	CAJMSGA	GO ISSUE MESSAGE K2750500
00444A				18302	CPJQNONE	DS 0H	NO JOES WERE CANCELLED K2751000
00444A	D216 D0C7 869F	000C7	04795	18303	MVC	COFQUE-1(23),=C' NO DATA SETS CANCELLED'	SET DIAG K2751500
004450	4120 0028	00028		18304	LA	WA,COFQUE-COFJOB+22	SET MESSAGE LENGTH K2752000
004454	47F0 81EE	042E4		18305	B	CAJMSGA	GO ISSUE MESSAGE K2752500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18307	*****	K2753500
				18308	*	* K2754000
				18309	* \$E JOB LIST -- RESTART JOB CURRENTLY IN EXECUTION	* K2754500
				18310	*	* K2755000
				18311	*****	K2755500
004458	9540 1001	00001		18312	CEJ CLI JQETYPE,\$XEQ TEST FOR CONVERTING	K2756000
00445C	4780 83B8	044AE		18313	BE CEJERR IF SO -- ERROR	K2756500
004460	9140 1001	00001		18314	TM JQETYPE,\$XEQ TEST FOR EXECUTING	K2757000
004464	4780 83B8	044AE		18315	BZ CEJERR NO -- ERROR	K2757500
004468	9107 1004	00004		18316	TM JQEFLAGS,QUEBUSY ACTIVE IN EXECUTION	K2758000
00446C	4780 83B8	044AE		18317	BZ CEJERR NO--ERROR	K2758500
004470	D501 1002 8642	00002 04738		18318	CLC JQEJOBNO,=H'10000' JOB IN NORMAL BATCH RANGE	K2759000
004476	47B0 83B8	044AE		18319	BNL CEJERR ERROR IF NOT	K2759500
00447A	1801			18320	LR R0,R1 RELOAD JQE ADDRESS @OZ40028	K2759600
00447C	5F00 B1C0	001C0		18321	SL R0,\$JOBQPTR REDUCE ADDRESS TO OFFSET @OZ40028	K2759700
004480	5820 B238	00238		18322	L WA,\$PITABLE GET ADDRESS OF FIRST PIT	K2760000
			00000	18323	USING PITDSECT,WA PROVIDE PIT ADDRESSABILITY	K2760500
004484	9120 2008	00008		18324	CEJLOOPE TM PITSTAT,PITBUSY TEST FOR PIT IN USE	K2761000
004488	4780 83AC	044A2		18325	BZ CEJNPIT BR IF NO	K2761500
00448C	D501 1002 8642	00002 04738		18326	CLC JQEJOBNO,=H'10000' JOB IN NORMAL RANGE	K2762000
004492	47B0 83B8	044AE		18327	BNL CEJERR ERROR IF NOT	K2762500
004496	58E0 2004	00004		18328	L R14,PITSJB GET ADDRESS OF SJB	K2763000
00449A	BD07 E06D	0006D		18329	CLM R0,7,SJBJQOFF+1-SJBDSECT(R14) TEST JQE OFFSET @OZ40028	K2763500
00449E	4780 83C6	044BC		18330	BE CEJE BR IF FOUND THE JOB	K2764000
0044A2	BF2F 2000	00000		18331	CEJNPIT ICM WA,15,PITNEXT POINT TO NEXT PIT R4	K2764500
0044A6	4770 838E	04484		18332	BNZ CEJLOOPE BR IF VALID PIT ADDRESS R4	K2765000
0044AA	47F0 83CE	044C4		18333	B CEJERROR IF NOT FOUND BUT ACTIVE SEND DIAG	K2765500
				18334	DROP WA KILL PIT ADDRESSABILITY	K2766000
0044AE	D20F D0C7 85F2	000C7 046E8		18335	CEJERR MVC COFQUE-1(16),=C' NOT RESTARTABLE' SET MESSAGE	K2766500
0044B4	4120 0021	00021		18336	LA WA,COFQUE-COFJOB+15 SET LENGTH	K2767000
0044B8	47F0 81EE	042E4		18337	B CAJMSGA DISPLAY MESSAGE	K2767500
0044BC	9604 E04E	0004E		18338	CEJE OI SJBFLG1-SJBDSECT(R14),SJB1EJOB SET FOR RESTART	K2768000
0044C0	47F0 828C	04382		18339	B CDJ ENTER DISPLAY JOB	K2768500
0044C4				18340	CEJERROR DS 0H SEND DIAGNOSTIC	K2769000
0044C4	D211 D0C7 8654	000C7 0474A		18341	MVC COFQUE-1(18),=C' NOT EXECUTING ON ' SET MSG BODY	K2769500
0044CA	D203 D0D9 B418	000D9 00418		18342	MVC COFQUE+17(L'\$SID),\$SID SET END OF MESSAGE	K2770000
0044D0	4120 0027	00027		18343	LA WA,COFQUE+17+L'\$SID-COFJOB SET LENGTH	K2770500
0044D4	47F0 81EE	042E4		18344	B CAJMSGA EXIT WITH DIAGNOSTIC	K2771000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18346	*****	K2772000
				18347	*	* K2772500
				18348	* \$L JOB LIST -- LIST JOB,STC,OR TSU OUTPUT	* K2773000
				18349	* INCLUDES READY AND HELD DATA SETS	* K2773500
				18350	*	* K2774000
				18351	*****	K2774500
0044D8				18353	CLT DS 0H DEFINE A COMMON ENTRY POINT	K2775500
0044D8				18354	CLS DS 0H FOR TIME SHARING USERS SYSTEM	K2776000
0044D8				18355	CLJ DS 0H CONTROL TASKS AND BATCH JOBS	K2776500
0044D8	9240	D0B6	000B6	18356	MVI COMMAND,C' ' SET MSG AREA TO ALL BLANKS	K2777000
0044DC	D2C6	D0B7	D0B6	000B7	000B6 18357 MVC COMMAND+1(L'COMMAND-1),COMMAND MORE OF ABOVE	K2777500
0044E2	94FE	D0B5	000B5	18358	NI COMMID+1,X'FE' INDICATE TO HASPCON JOB ID SET	K2778000
0044E6	1804			18359	LR R0,WC GET CURRENT TASK NUMBER	K2778500
0044E8	D202	D0B6	8687	000B6	0477D 18360 MVC COFJOB,=C'JOB' ASSUME BATCH JOB	K2779000
0044EE	4900	8642	04738	18361	CH R0,=H'10000' TEST FOR BATCH JOB	K2779500
0044F2	4740	8418	0450E	18362	BL CLJMSGC YES--CONTINUE MSG	K2780000
0044F6	D202	D0B6	868A	000B6	04780 18363 MVC COFJOB,=C'TSU' ASSUME TIME SHARING USER	K2780500
0044FC	4B00	8644	0473A	18364	SH R0,=H'20000' TEST FOR TSU	K2781000
004500	47B0	8418	0450E	18365	BNM CLJMSGC YES--CONTINUE MESSAGE	K2781500
004504	D202	D0B6	868D	000B6	04783 18366 MVC COFJOB,=C'STC' NO--MUST BE SYSTEM CNTRL TASK	K2782000
00450A	4A00	8642	04738	18367	AH R0,=H'10000' READJUST NUMBER FOR IT	K2782500
00450E				18368	CLJMSGC DS 0H CONTINUE MSG PREFIX	K2783000
				18369	\$CFCVE VALUE=(R0) CONVERT THE NBR TO EBCDIC	K2783500
00450E	45E0	C4BA	004BA	18370+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
004512	D204	D0B9	D090	000B9	00090 18371 MVC COFJNO,COMDWORK AND MOVE IT TO THE MSG	K2784000
004518	D207	D0BF	1014	000BF	00014 18372 MVC COFJNAME,JQEJNAME INSERT THE JOB NAME	K2784500
00451E	9104	D1D8	001D8	18373	TM COMNULOP,CLJHOLD TEST FOR HELD REQUEST	K2785000
004522	4710	851A	04610	18374	BO CLJHLDDS YES--LIST HELD DATA SETS FOR JOB	K2785500
004526	D205	D0C8	8666	000C8	0475C 18375 MVC COFQUE(6),=CL6'READY' SET JOE QUEUE ID	K2786000
00452C	4120	D0CE	000CE	18376	LA WA,COFQUE+6 POINT TO NEXT AVAILABLE BYTE	K2786500
004530	9036	D098	00098	18377	STM WB,WE,COMWREGS SAVE REGISTERS FOR WORK	K2787000
				18378	*****	K2787500
				18379	*	* K2788000
				18380	* SCAN JOES AND COUNT ANY BELONGING TO THIS JOB	* K2788500
				18381	*	* K2789000
				18382	*****	K2789500
			00000	18383	USING JOTDSECT,WB SET	K2790000
			00000	18384	USING JOEDSECT,WC ADDRESSABILITIES	K2790500
004534	1F55			18385	SLR WD,WD START JOES WITH CLASS A	K2791000
004536	1F66			18386	SLR WE,WE ZERO JOE FOUND REGISTER	K2791500
004538	5830	B23C	0023C	18387	L WB,CDFJOT POINT TO THE JOT	K2792000
				18388	*	THIS LINE DELETED BY APAR @OZ20010 K2792100
				18389	*	THIS LINE DELETED BY APAR @OZ20010 K2792200
				18390	*	THIS LINE DELETED BY APAR @OZ20010 K2792300
00453C				18391	CLJLOOP DS 0H LOOP THROUGH JOES	K2792500
00453C	1FFF			18392	SLR R15,R15 ZERO COUNTER FOR THIS CLASS	K2793000
00453E	4145	3008	00008	18393	LA WC,JOTCLSQ-(JOENEXT-JOEDSECT)(WD) POINT TO CLS Q	K2794000
004542	4840	4000	00000	18394	CLJJOES LH WC,JOENEXT GET OFFSET TO NEXT JOE	K2794500
004546	5440	860E	04704	18395	N WC,=A(X'0000FFFF')	INSURE OFFSET IS POSITIVE K2795000
00454A	4780	847C	04572	18396	BZ CLJENDJO LAST IN THIS CLASS -- EXIT	K2795500
00454E	8940	0002	00002	18397	SLL WC,2 EXPAND TO BYTE OFFSET	R4 K2796000
004552	1E43			18398	ALR WC,WB COMPUTE ADDRESS OF JOE	K2796500
004554	4800	4010	00010	18399	LH R0,JOEJQE PICK-UP JOE OFFSET	K2797000
004558	5400	861E	04714	18400	N R0,=X'0000FFFF'	CLEAR LEFT HALFWORD @OZ37385 K2797200
00455C	8900	0002	00002	18401	SLL R0,2 COMPUTE ACTUAL JOE OFFSET (* 4)	K2797500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004560	5E00 B1C0	001C0		18402	AL	R0,\$JOBQPTR	COMPUTE JOE ADDRESS K2798000
004564	1510			18403	CLR	R1,R0	IS IT MY JOE K2798500
004566	4770 844C	04542		18404	BNE	CLJOES	NO--GET THE NEXT IN THIS CLASS K2799000
00456A	41F0 F001	00001		18405	LA	R15,1(,R15)	YES--COUNT IT K2799500
00456E	47F0 844C	04542		18406	B	CLJOES	AND CONTINUE TO LOOK AT JOES K2800000
				18407	DROP	WB,WC	DROP ADDRESSABILITIES K2815500
004572				18408	CLJENDJO DS	0H	COME HERE WHEN END OF CLASS K2816000
004572	120F			18409	LTR	R0,R15	TEST FOR ANY HITS K2816500
004574	4780 84B2	045A8		18410	BZ	CLJNXJOE	NO--GET NEXT CLASS K2817000
004578	1860			18411	LR	WE,R0	SET JOE FOUND @OZ75015 K2817500
00457A	18E5			18412	LR	R14,WD	PUT JOE CLASS OFFSET INTO WORK K2818500
00457C	8AE0 0001	00001		18413	SRA	R14,1	DIVIDE BY TWO FOR OFFSET INTO TBL K2819000
004580	43EE 85B4	046AA		18414	IC	R14,CLJHLDTB(R14)	PICK-UP ACTUAL CLASS CHARACTER K2819500
004584	42E0 2000	00000		18415	STC	R14,0(,WA)	SAVE CHARACTER IN MESSAGE K2820000
004588	D202 2001 86B6	00001	047AC	18416	MVC	1(3,WA),=C'='**'	SET PATTERN IN MSG K2820500
00458E	4900 866C	04762		18417	CH	R0,=H'100'	CHK FOR MAX JOE COUNT EXCEEDED K2821000
004592	47B0 84AA	045A0		18418	BNL	CLJOVJOE	YES--SKIP INSERTION OF COUNT K2821500
				18419	\$CFCVE	VALUE=(R0)	CONVERT HITS TO EBCDIC VALUE K2822500
004596	45E0 C4BA	004BA		18420+	BAL	LINK,COFCVE	CONVERT TO EBCDIC K0233000
00459A	D201 2002 D093	00002	00093	18421	MVC	2(2,WA),COMDWORK+3	AND PLACE RESULT IN MSG K2823000
0045A0	4120 2005	00005		18422	CLJOVJOE LA	WA,5(,WA)	STEP TO NEXT MSG BYTE K2823500
0045A4	45F0 84E2	045D8		18423	BAL	R15,CLJCKMSG	AND TEST FOR \$WTO NEEDED K2824000
0045A8	4150 5002	00002		18424	CLJNXJOE LA	WD,2(,WD)	POINT TO NEXT CLASS K2824500
0045AC	4950 866E	04764		18425	CH	WD,=Y(L'JOTRDYWQ-2)	END OF CLASSES R4 K2825000
0045B0	4740 8446	0453C		18426	BL	CLJLOOP	BR IF NO TO RESUME SACN @OZ20010 K2825500
0045B4	1266			18427	LTR	WE,WE	TEST FOR ANY JOE(S) FOUND K2826000
0045B6	4770 84CE	045C4		18428	BNZ	CLJRDYND	YES--SKIP DIAGNOSTIC K2826500
0045BA	D211 D0C8 8670	000C8	04766	18429	MVC	COFQUE(18),=C'NO READY DATA SETS'	SET DIAGNOSTIC K2827000
0045C0	4120 D0DA	000DA		18430	LA	WA,COFQUE+18	SET END OF DIAG ADDRESS K2827500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18432	*****	K2828500
				18433	*	* K2829000
				18434	* MESSAGE LENGTH AND \$WTO PORTION	* K2829500
				18435	*	* K2830000
				18436	*****	K2830500
0045C4				18437	CLJRNDYND DS 0H	END OF READY DISPLAY K2831000
0045C4	9836 D098	00098		18438	LM WB,WE,COMWREGS	RESTORE WORK REGISTERS K2831500
0045C8				18440	CLJWTO DS 0H	ISSUE WTO FOR \$L COMMAND K2832500
0045C8	41E0 D0B6	000B6		18441	LA R14,COMMAND	POINT TO BEGINNING OF AREA K2833000
0045CC	1802			18442	LR R0,WA	POINT TO END OF MESSAGE K2833500
0045CE	1F0E			18443	SLR R0,R14	COMPUTE MESSAGE LENGTH K2834000
				18444	CLJ\$WTO \$CWTO L=(R0)	ISSUE MESSAGE K2834500
0045D0				18445	+CLJ\$WTO DS 0H	Z0006000
0045D0	4520 C07A	0007A		18446	+BAL WA,CWTO	REPLY TO OPERATOR K0161500
0045D4	47F0 8234	0432A		18447	B CAJNEXT	AND GET NEXT JOB K2835000
0045D8				18449	CLJCKMSG DS 0H	CHECK CURRENT MESSAGE LENGTH K2836000
0045D8	41E0 D0F6	000F6		18450	LA R14,COMMAND+64	SET END ADDR OF LARGEST MESSAGE K2836500
0045DC	152E			18451	CLR WA,R14	CHECK CURRENT LENGTH K2837000
0045DE	074F			18452	BLR R15	IF LESS THAN THIS -- RETURN K2837500
0045E0	50F0 D0A8	000A8		18453	ST R15,COMFWORK	ELSE SAVE REGISTERS K2838000
0045E4	5010 D090	00090		18454	ST R1,COMDWORK	SAVE R1 AS WELL R41 K2838500
0045E8	1802			18455	LR R0,WA	GET END ADDRESS K2839000
0045EA	41E0 D0B6	000B6		18456	LA R14,COMMAND	GET BEGINNING ADDRESS K2839500
0045EE	1F0E			18457	SLR R0,R14	COMPUTE LENGTH K2840000
				18458	\$CWTO L=(R0)	SEND MESSAGE K2840500
0045F0				18459	+DS 0H	Z0006000
0045F0	4520 C07A	0007A		18460	+BAL WA,CWTO	REPLY TO OPERATOR K0161500
0045F4	58F0 D0A8	000A8		18461	L R15,COMFWORK	RESTORE R15 K2841000
0045F8	5810 D090	00090		18462	L R1,COMDWORK	RESTORE R1 R41 K2841500
0045FC	9240 D0B6	000B6		18463	MVI COMMAND,C'	CLEAR MESSAGE AREA K2842000
004600	D2C6 D0B7 D0B6	000B7 000B6		18464	MVC COMMAND+1(L'COMMAND-1),COMMAND	DITTO K2842500
004606	94FE D0B5	000B5		18465	NI COMMID+1,X'FE'	INDICATE JOB ID IS SET K2843000
00460A	4120 D0C8	000C8		18466	LA WA,COFQUE	POINT TO FIRST FREE MESSAGE AREA K2843500
00460E	07FF			18467	BR R15	AND RETURN K2844000
				18469	*****	K2845000
				18470	*	* K2845500
				18471	* LIST HELD DATA SETS FOR JOB(S)	* K2846000
				18472	*	* K2846500
				18473	*****	K2847000
004610				18475	CLJHLDDS DS 0H	LIST HELD DATA SETS K2848000
004610	4820 1012	00012		18476	LH WA,JQEHLDDCT	GET POSSIBLE HOLD COUNT K2848500
004614	1222			18477	LTR WA,WA	TEST FOR ANY K2849000
004616	4780 85A6	0469C		18478	BZ CLJNOHLD	NONE--DISPLAY DIAGNOSTIC K2849500
00461A	90EC D1DC	001DC		18479	STM R14,R12,COMREGSV	ELSE SAVE REGISTRES K2850000
00461E	9200 D21C	0021C		18480	MVI CLJCLAS,0	ZERO CLASS SAVE AREA K2850500
004622	D246 D21D D21C	0021D 0021C		18481	MVC CLJCLAS+1(L'CLJCLAS-1),CLJCLAS	DITTO K2851000
004628	5010 D218	00218		18482	ST R1,CLJJQE	SAVE JQE ADDRESS K2851500
00462C	4110 D218	00218		18483	LA R1,CLJJQE	POINT TO PARAMETER LIST K2852000
				18485	\$LINK HASPLIST	ENTER HOLD DATA SET PROCESSOR K2853000
004630	5880 863A	04730		18486	+L BASE3,=V(HASPLIST)	LOAD HASP SEGMENT ADDRESS ER018000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004634	05E8			18487+	BALR	LINK,BASE3	AND LINK TO IT ER028000
004636	98EC	D1DC		001DC	18489	LM R14,R12,COMREGSV	RESTORE REGISTERS K2854000
00463A	D204	D0C8	86B9	000C8	047AF	18490	MVC COFQUE(5),=CL5'HELD' SET MESSAGE HEADER K2854500
004640	4120	D0CD		000CD	18491	LA WA,COFQUE+5	POINT TO NEXT MESSAGE AREA K2855000
004644	1F33				18492	SLR WB,WB	CLEAR HIT COUNT @OZ27300 K2855100
004646	1F44				18493	SLR WC,WC	ZERO INSERT REGISTER K2855500
004648	1F11				18494	SLR R1,R1	ZERO TABLE(S) INDEX REGISTER K2856000
00464A	0610				18495	BCTR R1,0	LESS ONE FOR START K2856500
00464C	4160	0001		00001	18496	LA WE,1	SET INCREMENT K2857000
004650	4170	0023		00023	18497	LA WF,35	SET COMPORAND K2857500
004654					18498	CLJHLDLP DS 0H	SCAN THE TABLE FOR HOLD COUNTS K2858000
004654	8616	8598		0468E	18499	BXH R1,WE,CLJHLDND	LOOP TROUGH CLASS FIELDS K2858500
004658	18E1				18500	LR R14,R1	PUT CLASS OFFSET INTO WORK REG K2859000
00465A	89E0	0001		00001	18501	SLL R14,1	MULTIPLY BY TWO FOR HALFWORD AREA K2859500
00465E	484E	D21C		0021C	18502	LH WC,CLJCLAS(R14)	PICK-UP POSSIBLE HOLD COUNT K2860000
004662	1244				18503	LTR WC,WC	TEST FOR ANY HELD DATA SETS K2860500
004664	4780	855E		04654	18504	BZ CLJHLDLP	NONE OF THIS CLASS -- LOOP K2861000
004668	1834				18505	LR WB,WC	INDICATE HIT @OZ27300 K2861100
00466A	4301	85B4		046AA	18506	IC R0,CLJHLDTB(R1)	PICK-UP CLASS CHARACTER K2861500
00466E	4200	2000		00000	18507	STC R0,0(,WA)	PLACE CHARACTER IN MESSAGE AREA K2862000
004672	927E	2001		00001	18508	MVI 1(WA),C'='	SET EQUAL SIGN FOR MESSAGE K2862500
					18509	\$CFCVE VALUE=(WC)	CONVERT COUNT TO DISPLAYABLE FORM K2863000
004676	1804				18510+	LR R0,WC	CJ018000
004678	45E0	C4BA		004BA	18511+	BAL LINK,COFCVE	CONVERT TO EBCDIC K0233000
00467C	D202	2002	D092	00002	00092	18512	MVC 2(3,WA),COMDWORK+2 COMPLETE MSG -- 'CLASS=NNN' K2863500
004682	4120	2006		00006	18513	LA WA,6(,WA)	POINT TO NXT AVAIL. MSG AREA K2864000
004686	45F0	84E2		045D8	18514	BAL R15,CLJCKMSG	GO TEST FOR POSSIBLE \$WTO K2864500
00468A	47F0	855E		04654	18515	B CLJHLDLP	AND LOOP THROUGH ALL 36 CLASSES K2865000
					18517 *	EXIT LIST HOLD DATA SETS ROUTINE	K2866000
00468E					18519	CLJHLDND DS 0H	END OF HELD DATA SETS K2867000
00468E	1233				18520	LTR WB,WB	ANY HELD DATA SETS... @OZ27300 K2867100
004690	18E2				18521	LR R14,WA	SAVE WA OVER 'LM' K2867500
004692	98FC	D1E0		001E0	18522	LM R15,R12,COMREGSV+4	RESTORE REGSITERS K2868000
004696	182E				18523	LR WA,R14	RESTORE WA K2868500
004698	4770	84D2		045C8	18524	BNZ CLJWTO	BR IF ANY HELD DATA SETS @OZ27300 K2869000
					18526 *	SEND DIAGNOSTIC 'NO HELD DATA SETS'	K2870000
00469C					18528	CLJNOHLD DS 0H	SEND MESSAGE 'NO HELD DATA SETS' K2871000
00469C	D210	D0C8	86BE	000C8	047B4	18529	MVC COFQUE(17),=C'NO HELD DATA SETS' CREATE DIAGNOSTIC K2871500
0046A2	4100	0023		00023	18530	LA R0,COFQUE+17-COMMAND	SET MESSAGE LENGTH K2872000
0046A6	47F0	84DA		045D0	18531	B CLJ\$WTO	AND ISSUE DIAGNOSTIC K2872500
					18533 *	CLASS CONVERT TABLE	K2873500
0046AA	C1C2C3C4C5C6C7C8				18535	CLJHLDTB DC	C'ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789' K2874500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18538	*****	K2876000
				18539	*	* K2876500
				18540	* EQUATES FOR \$L COMMAND	* K2877000
				18541	*	* K2877500
				18542	*****	K2878000
		00218	18543	CLJJQE	EQU COMREGSV+15*4,4 SAVE AREA FOR JQE ADDRESS	K2878500
		0021C	18544	CLJCLAS	EQU CLJJQE+4,72 SAVE AREA FOR CLASS COUNTS	K2879000
0046D0				18546	LTORG ,	K2880000
0046D0	D9C5D3C5C1E2C5C4			18547	=C'RELEASED'	
0046D8	D1D6C24DE25D40D5			18548	=C'JOB(S) NOT FOUND'	
0046E8	40D5D6E340D9C5E2			18549	=C' NOT RESTARTABLE'	
0046F8	000062A2			18550	=A(HASPCSY1)	
0046FC	D3E2E8E2			18551	=C'LSYS'	
004700	00001A48			18552	=A(CVALIDTB)	
004704	0000FFFF			18553	=A(X'0000FFFF')	
004708	00001426			18554	=A(COFJMSG)	
00470C	0000003F			18555	=A(255-X'C0')	
004710	00003799			18556	=A(CPQTABLE-1)	
004714	0000FFFF			18557	=X'0000FFFF'	
004718	00001EA0			18558	=A(\$IOTPUR)	
00471C	40C4C1E3C140E2C5			18559	=C' DATA SETS CANCELLED'	
004730	00000000			18560	=V(HASPLIST)	
004734	03D2			18561	=Y(CPJES2-HASPCSY1)	
004736	06E4			18562	=Y(CLSYS-HASPCSY1)	
004738	2710			18563	=H'10000'	
00473A	4E20			18564	=H'20000'	
00473C	D87E			18565	=C'Q='	
00473E	0004			18566	=H'4'	
004740	40D5D6E340C8C5D3			18567	=C' NOT HELD '	
00474A	40D5D6E340C5E7C5			18568	=C' NOT EXECUTING ON '	
00475C	D9C5C1C4E840			18569	=CL6'READY'	
004762	0064			18570	=H'100'	
004764	0048			18571	=Y(L'JOTRDYWQ-2)	
004766	D5D640D9C5C1C4E8			18572	=C'NO READY DATA SETS'	
004778	D7D1C5E2F2			18573	=C'PJES2'	
00477D	D1D6C2			18574	=C'JOB'	
004780	E3E2E4			18575	=C'TSU'	
004783	E2E3C3			18576	=C'STC'	
004786	40D5D6D560C3C1D5			18577	=C' NON-CANCELABLE'	
004795	40D5D640C4C1E3C1			18578	=C' NO DATA SETS CANCELLED'	
0047AC	7E5C5C			18579	=C'='**'	
0047AF	C8C5D3C440			18580	=CL5'HELD'	
0047B4	D5D640C8C5D3C440			18581	=C'NO HELD DATA SETS'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
				18583	HASPCJB3	\$COMGRUP A7D,C7D,D7D,E7D,H7D,L7D,O7D,P7D,T7D JOB CMNDS	K2881000
0047C6				18584+	HASPCJB3	DS 0H	K0088500
		047C6		18585+		USING *,BASE3 ADDRESSABILITY	K0089000
0047C6	07F1			18586+		BR R1 GO TO SUB-PROCESSOR SELECTED	K0091000
0047C8				18587	CD7D	DS 0H ENTRY PT FOR DISPLAY BY NAME	K2881500
		047C8		18588	CA7D	EQU CD7D ENTRY PT FOR RELEASE BY NAME	K2882000
		047C8		18589	CC7D	EQU CD7D ENTRY PT FOR CANCEL BY NAME	K2882500
		047C8		18590	CE7D	EQU CD7D ENTRY PT FOR RESTART BY NAME	K2883000
		047C8		18591	CH7D	EQU CD7D ENTRY PT FOR HOLD BY NAME	K2883500
		047C8		18592	CL7D	EQU CD7D ENTRY PT FOR LIST BY NAME	K2884000
		047C8		18593	CO7D	EQU CD7D ENTRY PT FOR OUTPUT BY NAME	K2884500
		047C8		18594	CP7D	EQU CD7D ENTRY PT FOR STOP BY NAME	K2885000
		047C8		18595	CT7D	EQU CD7D ENTRY PT FOR MODIFY BY NAME	K2885500
				18596		*****	K2886000
				18597	*	*	K2886500
				18598	*	\$D 'JOBNAME' -- DISPLAY JOB INFORMATION FOR JOB(S)	K2887000
				18599	*	*	K2887500
				18600		*****	K2888000
0047C8	5810 5000	00000		18601		L R1,0(,WD) PICK-UP START OF OPERAND	K2888500
0047CC	5840 5004	00004		18602		L WC,4(0,WD) PICK UP END OF OPERAND + 2	K2889000
0047D0	5050 D0A8	000A8		18603		ST WD,COMFWORK SAVE FIRST OPERAND POINTER POINTER	K2889500
0047D4	95D7 D0B7	000B7		18604		CLI COMVERB,C'P' IS OPTION FOR \$PJOB	K2890000
0047D8	4770 8070	04836		18605		BNE CD7DCN NO--TRY OPTIONS FOR CANCEL JOB	K2890500
0047DC	D501 4000 82AE	00000	04A74	18606		CLC 0(2,WC),=C'Q=' CHECK FOR CANCEL OF OUTPUT CLSES	K2891000
0047E2	4770 80AC	04872		18607		BNE CD7DNL NO--MUST BE \$P WITH NO OPERANDS	K2891500
0047E6	58F0 5008	00008		18608		L R15,8(,WD) YES--POINT TO LAST OPERAND	K2892000
0047EA	1FF4			18609		SLR R15,WC COMPUTE OPERAND LENGTH	K2892500
0047EC	4BF0 82B0	04A76		18610		SH R15,=H'4' COMPUTE STRING SIZE LESS ONE	K2893000
0047F0	4740 805C	04822		18611		BM CD7DINVC IF NEGATIVE--NO STRING	K2893500
0047F4	58E0 8282	04A48		18612		L R14,=A(CVALIDTB) POINT TO TEST TABLE	R4 K2894000
0047F8	44F0 8064	0482A		18613		EX R15,CD7DCTST TEST FOR VALIS CLASS STRING	K2894500
0047FC	4770 805C	04822		18614		BNZ CD7DINVC IF NOT VALID CHARACTERS--ERROR	K2895000
004800	49F0 8044	0480A		18615		CH R15,*+10 TEST FOR MAXIMUM LENGTH	K2895500
004804	47D0 8046	0480C		18616		BNH *+8 NOT GREATER--USE PRESENTED LENGTH	K2896000
004808	41F0 0007	00007		18617		LA R15,L'CPJQCLS-2 ELSE USE MAXIMUM LENGTH	K2896500
00480C	9200 D1DC	001DC		18618		MVI CPJQCLS,0 SET SAVE AREA TO	K2897000
004810	D207 D1DD D1DC	001DD	001DC	18619		MVC CPJQCLS+1(L'CPJQCLS-1),CPJQCLS ZEROES	K2897500
004816	44F0 806A	04830		18620		EX R15,CD7DCMV MOVE STRING INTO SAVE AREA	K2898000
00481A	9610 D1D8	001D8		18621		OI COMNULOP,CPJQOPER SET OPTION FLAG FOR OUTPUT CANCEL	K2898500
00481E	47F0 80AC	04872		18622		B CD7DNL AND CONTINUE	K2899000
004822				18623	CD7DINVC	DS 0H INVALID OPERAND IN CLASS STRING	K2899500
004822	5810 5004	00004		18624		L R1,4(,WD) POINT TO INVALID OPERAND	R4 K2900000
004826	47F0 81C4	0498A		18625		B CD7DINV AND BRANCH TO ERROR RTN	K2900500
00482A	DD00 4002 E000	00002	00000	18626	CD7DCTST	TRT 2(*-*,WC),0(R14) *** EXECUTE ONLY ***	R4 K2901000
004830	D200 D1DC 4002	001DC	00002	18627	CD7DCMV	MVC CPJQCLS(*-*),2(WC) **** EXECUTE ONLY ****	K2901500
004836				18628	CD7DCN	DS 0H TRY CANCEL OPTIONS	K2902000
004836	95C3 D0B7	000B7		18629		CLI COMVERB,C'C' TEST FOR CANCEL VERB	K2902500
00483A	4770 8098	0485E		18630		BNE CD7DA NO--TRY OTHERS	K2903000
00483E	9640 D1D8	001D8		18631		OI COMNULOP,CCJFDUMP ASSUME DUMP REQUESTED	K2903500
004842	95C4 4000	00000		18632		CLI 0(WC),C'D' IS DUMP REQUESTED	K2904000
004846	4780 80AC	04872		18633		BE CD7DNL SKIP NEXT IF SO	K2904500
00484A	9741 D1D8	001D8		18634		XI COMNULOP,CCJFPURG+CCJFDUMP ASSUME PURGE	K2905000
00484E	95D7 4000	00000		18635		CLI 0(WC),C'P' IS PURGE REQUESTED	K2905500
004852	4780 80AC	04872		18636		BE CD7DNL SKIP NEXT IF SO	K2906000
004856	9701 D1D8	001D8		18637		XI COMNULOP,CCJFPURG SET NO 'PURGE' OPERAND	K2906500
00485A	47F0 80AC	04872		18638		B CD7DNL NO--MUST BE CANCEL WITH NO OPERND	K2907000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00485E				18639	CD7DA	DS 0H	CHECK FOR \$L'JOBNAME',HOLD K2907500
00485E	95D3 D0B7	000B7		18640		CLI COMVERB,C'L'	CHECK FOR \$L COMMAND K2908000
004862	4770 80AC	04872		18641		BNE CD7DNL	NO--SKIP REST OF TESTS K2908500
004866	95C8 4000	00000		18642		CLI 0(WC),C'H'	TEST FOR LIST HOLD DATA SETS K2909000
00486A	4770 80AC	04872		18643		BNE CD7DNL	NO--ASSUME REQ FOR READY D SETS K2909500
00486E	9604 D1D8	001D8		18644		OI COMNULOP,CLJHOLD	SET SWITCH TO LIST HELD DATA SETS K2910000
004872				18645	CD7DNL	DS 0H	NOT \$L'JOBNAME',HOLD K2910500
004872	D207 D17E 827A	0017E 04A40		18646		MVC COMJNAME,=CL8' '	SET JOBNAME TO BLANKS K2911000
004878	0640			18647		BCTR WC,0	POINT TO END + 1 K2911500
00487A	0640			18648		BCTR WC,0	POINT TO END K2912000
00487C	D200 D0A8 D0B7	000A8 000B7		18649		MVC COMFWORK(1),COMVERB	SAVE THE VERB K2912500
004882	1B55			18650		SR WD,WD	ZERO QUEUE POINTER K2913000
004884	957D 4000	00000		18651		CLI 0(WC),C''''	DOES OPERAND END WITH APOSTROPHI K2913500
004888	4770 80C8	0488E		18652		BNE *+6	SKIP NSI IF NOT K2914000
00488C	0640			18653		BCTR WC,0	POINT TO END OF NAME K2914500
00488E	1B41			18654		SR WC,R1	GET LENGTH OF JOB NAME K2915000
004890	47D0 81C4	0498A		18655		BNP CD7DINV	IF NOT POSITIVE, ERROR K2915500
004894	0640			18656		BCTR WC,0	SET MACHINE LENGTH K2916000
004896	4100 0007	00007		18657		LA R0,7	SET MAXIMUM MACHINE LENGTH K2916500
00489A	1940			18658		CR WC,R0	IS LENGTH TOO LONG K2917000
00489C	47D0 80DC	048A2		18659		BNH *+6	IF NOT, SKIP K2917500
0048A0	1840			18660		LR WC,R0	SET TO MAXIMUM LENGTH K2918000
0048A2	4440 81C8	0498E		18661		EX WC,CA7DMVC	MOVE NAME K2918500
0048A6				18662	CA7DDUP	DS 0H	RESCAN AFTER DUPLICATE ERROR K2919000
				18663		\$CFJSCAN PROCESS=CD7DPRO,EMPTY=CD7DNFND,IGNORE=CD7DL,	CK2919500
						NEXT=CD7DNXT	SCAN THE JOB QUEUE FOR MATCHING JOBS K2920000
				18664+	*****		K1045000
				18665+	SCAN JOB QUEUE FOR SELECTED JOBS		* K1045500
				18666+	*****		K1046000
0048A6	9200 D044	00044		18667+	MVI	PCEBASE2,0	SET NO JOB(S) FOUND INDICATOR R4 K1048000
0048AA	41F0 005E	0005E		18668+	LA	R15,\$JQTYPES*2	NO. OF JOB QUEUES (TIMES 2) @OZ29819 K1048600
0048AE	40F0 D08A	0008A		18669+	CJS0623A	STH R15,COMJQHDS	SAVE JOB QUEUE HEADER INDEX R4 K1049500
0048B2	411F B54E	0054E		18670+	LA	R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1050000
0048B6	47F0 80F8	048BE		18671+	B	CJS0623B	BR TO BEGIN QUEUE SCAN R4 K1052500
0048BA	9280 D044	00044		18672+	CD7DNXT	MVI PCEBASE2,128	SET JOB FOUND INDICATOR R4 K1053000
0048BE	58C0 D044	00044		18673+	CJS0623B	L BASE2,PCEBASE2	SET JOB FOUND FLAG IN REGISTER R4 K1053500
0048C2	4810 1006	00006		18674+	CD7DL	LH R1,JQECHAIN	GET OFFSET OF NEXT JQE R4 K1054000
0048C6	5410 8286	04A4C		18675+	N	R1,=A('X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
0048CA	4780 8114	048DA		18676+	BZ	CJS0623C	BR IF END OF QUEUE R4 K1056500
0048CE	8910 0002	00002		18677+	SLL	R1,2	GET TRUE R4 K1057000
0048D2	5E10 B1C0	001C0		18678+	AL	R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
0048D6	47F0 8134	048FA		18679+	B	CD7DPRO	AND ENTER PROCESS ROUTINE R4 K1058000
0048DA	48F0 D08A	0008A		18680+	CJS0623C	LH R15,COMJQHDS	GET CURRENT JOB QUEUE HDR INDEX R4 K1059000
0048DE	06F0			18681+	BCTR	R15,0	REDUCE OFFSET BY 1 R4 K1059500
0048E0	46F0 80E8	048AE		18682+	BCT	R15,CJS0623A	BR IF ANOTHER JOB QUEUE R4 K1061500
0048E4	12CC			18683+	LTR	BASE2,BASE2	TEST FOR ANY JOB(S) FOUND R4 K1062500
0048E6	4720 81A8	0496E		18684+	BP	CD7DNFND	BR IF NO R4 K1063000
0048EA	95C4 D0A8	000A8		18685	CLI	COMFWORK,C'D'	IS THIS DISPLAY COMMAND K2920500
0048EE	4770 81EC	049B2		18686	BNE	CA7DSET	SET FOR XCTL TO ROUTINE K2921000
				18687	\$CRET	,	RETURN K2921500
0048F2				18688+	DS	0H	Z0006000
0048F2	41F0 0000	00000		18689+	LA	R15,CORTNORM	NORMAL RETURN K0137000
0048F6	47F0 C1AC	001AC		18690+	B	CORET	RETURN K0137500
				18691	CD7DPRO	NULL	K2922000
0048FA				18692+	CD7DPRO	DS 0H	Z0006000
0048FA	D507 D17E 1014	0017E 00014		18693	CLC	COMJNAME,JQEJNAME	COMPARE FOR MATCH K2922500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
004900	4770 80FC	048C2		18694	BNE CD7DL	LOOP IF NO MATCH K2923000
004904	95C4 D0A8	000A8		18695	CLI COMFWORK,C'D'	IS THIS DISPLAY COMMAND K2923500
004908	4770 81CE	04994		18696	BNE CA7DXIT	IF NOT EXIT FOR OTHER COMMANDS K2924000
00490C	1841			18697	LR WC,R1	SAVE CURRENT LOCATION K2924500
00490E	5830 D0A8	000A8		18698	L WB,COMFWORK	SAVE CONTENTS OF COMFWORK R4 K2925000
				18699	\$CFJMSG JOBQE=(R1),TYPE=CALL	DISPLAY JOB INFO K2925500
004912	92FF D117	00117		18700+	MVI COFOPT,COFU	SET OPTION K0750000
004916	927F D118	00118		18701+	MVI COFAFF,X'7F'	SET FOR ALL SYSTEMS ACTIVE K0751500
00491A	58A0 828A	04A50		18702+	L R10,=A(COFJMSG)	POINT TO SERVICE ROUTINE R4 K0752500
00491E	052A			18703+	BALR WA,R10	CALL JOB INFORMATION MSG ROUTINE R4 K0753000
004920	5030 D0A8	000A8		18704	ST WB,COMFWORK	RESTORE COMFWORK R4 K2926000
				18705	\$CFJSCAN PROCESS=CD7DCK,NEXT=CD7DCKL,STORE=NO CK CHAIN	K2926500
				18706+	*****	K1045000
				18707+	* SCAN JOB QUEUE FOR SELECTED JOBS *	K1045500
				18708+	*****	K1046000
004924	41F0 005E	0005E		18709+	LA R15,\$JQTYPES*2	NO. OF JOB QUEUES (TIMES 2) @OZ29819 K1048600
004928	411F B54E	0054E		18710+CJS0632A	LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1051500
00492C	4810 1006	00006		18711+CD7DCKL	LH R1,JQECHAIN	GET OFFSET OF NEXT JOE R4 K1055500
004930	5410 8286	04A4C		18712+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
004934	4780 817E	04944		18713+	BZ CJS0632C	BR IF END OF QUEUE R4 K1056500
004938	8910 0002	00002		18714+	SLL R1,2	GET TRUE R4 K1057000
00493C	5E10 B1C0	001C0		18715+	AL R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
004940	47F0 8196	0495C		18716+	B CD7DCK	AND ENTER PROCESS ROUTINE R4 K1058000
004944	06F0			18717+CJS0632C	BCTR R15,0	REDUCE OFFSET BY 1 R4 K1061000
004946	46F0 8162	04928		18718+	BCT R15,CJS0632A	BR IF ANOTHER JOB QUEUE R4 K1061500
00494A				18719 CD7DNFTD	DS 0H	CHAIN IS BROKEN K2927000
				18720	\$CRET MSG='LIST INCOMPLETE'	K2927500
00494A				18721+	DS 0H	Z0006000
00494A	D20E D0B6 82C0	000B6 04A86		18722+	MVC COMMAND(15),=C'LIST INCOMPLETE'	K0131000
004950	4100 000F	0000F		18723+	LA R0,15	SET LENGTH OF MSG IN R0 K0131500
004954	41F0 0008	00008		18724+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
004958	47F0 C1AC	001AC		18725+	B CORET	RETURN K0137500
00495C	1941			18726 CD7DCK	CR WC,R1	HAVE WE MET THE LAST JOB DISPLAYED K2928000
00495E	4770 8166	0492C		18727	BNE CD7DCKL	IF NOT, LOOK FURTHER K2928500
004962	49F0 D08A	0008A		18728	CH R15,COMJQHDS	TEST FOR JOB ON SAME QUEUE K2929000
004966	4770 8184	0494A		18729	BNE CD7DNFTD	NO -- CHAIN IS BROKEN K2929500
00496A	47F0 80F4	048BA		18730	B CD7DNXT	NEXT JOB PLEASE K2930000
00496E	D207 D0B6 D17E	000B6 0017E		18731 CD7DNFND	MVC COMMAND(8),COMJNAME	MOVE NAME K2930500
004974	D20D D0BE 82B2	000BE 04A78		18732	MVC COMMAND+8(14),=C' JOB NOT FOUND'	SET EXPLANATION K2931000
				18733	\$CRET L=22	SEND THE MESSAGE K2931500
00497A				18734+	DS 0H	Z0006000
00497A	4100 0016	00016		18735+	LA R0,22	K0124500
00497E	41F0 0008	00008		18736+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
004982	47F0 C1AC	001AC		18737+	B CORET	RETURN K0137500
004986	5810 5000	00000		18738 CD7DINVO	L R1,0(0,WD)	POINT TO OPERAND K2932000
				18739 CD7DINV	\$CFINVO OPERAND=(R1)	ERROR -- EXIT ... K2932500
00498A				18740+CD7DINV	DS 0H	Z0006000
00498A	47F0 C7A6	007A6		18741+	B COFINVO	REPLY INVALID OPERAND K0636500
00498E	D200 D17E 1001	0017E 00001		18742 CA7DMVC	MVC COMJNAME(*-*),1(R1)	MOVE NAME K2933000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18744	*****	K2934000
				18745	*	* K2934500
				18746	* ROUTINE TO CONVERT \$A,\$C,\$E,\$H,\$P 'JOBNAME' COMMANDS	* K2935000
				18747	* TO CORRESPONDING \$VJ... COMMANDS	* K2935500
				18748	*	* K2936000
				18749	*****	K2936500
004994	1255			18750	CA7DXIT LTR WD,WD QUEUE POINTER STILL ZERO	K2937000
004996	1851			18751	LR WD,R1 ASSUME YES	K2937500
004998	4780 80F4	048BA		18752	BZ CD7DNXT SIGNAL FOUND AND CONTINUE SCAN	K2938000
00499C	D213 D0C2 828E	000C2	04A54	18753	MVC COMMAND+12(20),=C' MULTIPLE JOBS FOUND' SET DIAG	K2938500
				18754	\$CWTO L=12+20 SEND MESSAGE	K2939000
0049A2				18755+	DS 0H	Z0006000
0049A2	4100 0020	00020		18756+	LA R0,12+20	K0154000
0049A6	4520 C07A	0007A		18757+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
0049AA	92C4 D0A8	000A8		18758	MVI COMFWORK,C'D' CONVERT FLAG TO \$D	K2939500
0049AE	47F0 80E0	048A6		18759	B CA7DDUP START SCAN ALL OVER	K2940000
0049B2	1815			18760	CA7DSET LR R1,WD POINT TO QUEUE ELEMENT	K2940500
0049B4	5850 D0A8	000A8		18761	L WD,COMFWORK RESTORE POINTER TO FIRST OPERAND	K2941000
0049B8	4150 5000	00000		18762	LA WD,0(0,WD) PURIFY	K2941500
				18763	\$CFVQE NOK=CD7DINVO VERIFY OWNERSHIP	K2942000
0049BC				18764+	DS 0H	K1117000
0049BC	45E0 CA62	00A62		18765+	BAL LINK,COFVQE VERIFY JOB'S OWNERSHIP	K1118000
0049C0	4770 81C0	04986		18766+	BNE CD7DINVO OWNERSHIP NOT VERIFIED--'NOK'	K1142500
0049C4	4800 1002	00002		18767	LH R0,JQEJOBNO GET JOB NUMBER IN R0	K2942500
0049C8	4000 5000	00000		18768	STH R0,0(,WD) SAVE JOB NUMBER AS BOTH	K2943000
0049CC	4000 5002	00002		18769	STH R0,2(,WD) HIGH AND LOW BOUNDS	K2943500
0049D0	95E3 D0A8	000A8		18770	CLI COMFWORK,C'T' TEST FOR SET COMMAND	K2944000
0049D4	4780 8254	04A1A		18771	BE CT7DFND YES--EXIT TO IT	K2944500
0049D8	95D6 D0A8	000A8		18772	CLI COMFWORK,C'O' CHECK FOR \$O COMMAND	K2945000
0049DC	4780 825E	04A24		18773	BE CO7DFND YES--BR TO \$ O PROCESSING	K2945500
0049E0	1875			18774	LR WF,WD ELSE TRUNCATE COMMAND	K2946000
0049E2	4140 8266	04A2C		18775	LA WC,CA7DTAB POINT TO ACTION VERB TABLE	K2946500
0049E6	4110 0006	00006		18776	LA R1,CA7DTABN SET COUNT AND CLEAR HIGH BYTES	K2947000
0049EA	D500 D0A8 4000	000A8	00000	18777	CA7DSCN CLC COMFWORK(1),0(WC) MATCHING VERB	K2947500
0049F0	4780 823A	04A00		18778	BE CA7DFND IF FOUND EXIT	K2948000
0049F4	4140 4003	00003		18779	LA WC,3(,WC) UP TO NEXT ENTRY	K2948500
0049F8	4610 8224	049EA		18780	BCT R1,CA7DSCN LOOP	K2949000
0049FC	47F0 81C0	04986		18781	B CD7DINVO EXECUTED ON LOGIC ERROR ONLY	K2949500
004A00				18782	CA7DFND DS 0H FOUND JOB	K2950000
				18783	\$QSUSE , ENQUEUE ON SERIAL RESOURCE	K2950500
004A00	05F0			18784+	BALR R15,0 SET RETURN ADDR FROM \$QSUSE	R4 GM014000
004A02	9180 B427	00427		18785+	TM \$STATUS,\$QSONDA MAY QUEUES BE USED... @OZ27300	GM016000
004A06	4770 B068	00068		18786+	BNZ \$QSUSES BR TO \$QSUSE ROUTINE IF NO	R4 GM024000
004A0A	1F33			18787	SLR WB,WB ZERO OFFSET REGISTER	K2951000
004A0C	5880 82A2	04A68		18788	L BASE3,=A(HASPCJB2) ADDRESS OF GROUP ROUTINE	K2951500
004A10	BF33 4001	00001		18789	ICM WB,3,1(WC) PICK UP OFFSET	K2952000
004A14	1E38			18790	ALR WB,BASE3 POINT TO FUNCTIONAL ENTRY	K2952500
004A16	47F0 8132	00132		18791	B CAJLOOPA-HASPCJB2(,BASE3) ENTER JOB LIST ROUTINE	K2953000
004A1A	5880 82A6	04A6C		18792	CT7DFND L BASE3,=A(HASPCJ3A) ADDRESS OF GROUP CONTROL	K2953500
004A1E	1810			18793	LR R1,R0 MAKE LOW = HIGH JOB NUMBER	R4 K2954000
004A20	47F0 80B4	000B4		18794	B CTJALTER-HASPCJ3A(,BASE3) ENTER \$T JOB COMMAND	R4 K2954500
004A24				18795	CO7DFND DS 0H PREPARE TO EXIT TO \$O	K2955000
004A24	5880 82AA	04A70		18796	L BASE3,=A(HASPCJB4) POINT TO SUB-PROCESSOR	K2955500
004A28	47F0 8030	00030		18797	B COJBEGIN-HASPCJB4(,BASE3) EXIT	K2956000
004A2C				18798	CA7DTAB DS 0H	K2956500
004A2C	C101C6			18799	DC C'A',AL2(CAJ-HASPCJB2) OFFSET TO RELEASE JOB	K2957000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004A2F	C30266			18800	DC	C'C',AL2(CCJ-HASPCJB2) OFFSET TO CANCEL JOB	K2957500
004A32	C50362			18801	DC	C'E',AL2(CEJ-HASPCJB2) OFFSET TO RESTART JOB	K2958000
004A35	C8029E			18802	DC	C'H',AL2(CHJ-HASPCJB2) OFFSET TO HOLD JOB	K2958500
004A38	D303E2			18803	DC	C'L',AL2(CLJ-HASPCJB2) OFFSET TO LIST JOB	K2959000
004A3B	D702AA			18804	DC	C'P',AL2(CPJ-HASPCJB2) OFFSET TO STOP JOB	K2959500
		00006	18805	CA7DTABN	EQU	(*-CA7DTAB)/3 NUMBER OF ENTRIES IN THE TABLE	K2960000
004A40				18807	LTORG	,	K2961000
004A40	4040404040404040			18808		=CL8' '	
004A48	00001A48			18809		=A(CVALIDTB)	
004A4C	0000FFFF			18810		=A(X'0000FFFF')	
004A50	00001426			18811		=A(COFJMSG)	
004A54	40D4E4D3E3C9D7D3			18812		=C' MULTIPLE JOBS FOUND'	
004A68	000040F6			18813		=A(HASPCJB2)	
004A6C	00004A96			18814		=A(HASPCJ3A)	
004A70	00004F50			18815		=A(HASPCJB4)	
004A74	D87E			18816		=C'Q='	
004A76	0004			18817		=H'4'	
004A78	40D1D6C240D5D6E3			18818		=C' JOB NOT FOUND'	
004A86	D3C9E2E340C9D5C3			18819		=C'LIST INCOMPLETE'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				18821	HASPCJ3A \$COMGRUP TJ,TS,TT	SET BASE NUMBER OR MODIFY K2962000
004A96				18822+	HASPCJ3A DS 0H	K0088500
		04A96		18823+	USING *,BASE3	ADDRESSABILITY K0089000
004A96	07F1			18824+	BR R1	GO TO SUB-PROCESSOR SELECTED K0091000
				18825	*****	K2962500
				18826	*	* K2963000
				18827	* \$T (J,S,T)N -- SET NEW NBR FOR JOBS, STCS, OR TSUS	* K2963500
				18828	*	* K2964000
				18829	* \$T J1-J2,C=CLASS -- SET JOB CLASS	* K2964500
				18830	*	* K2965000
				18831	* \$T J1-J2,P=(+ OR -)VALUE -- SET JOB PRIORITY	* K2965500
				18832	* +N -- INCREMENT CURRENT PRIO	* K2966000
				18833	* -N -- DECREMENT CURRENT PRIO	* K2966500
				18834	* N -- SET PRIORITY EXPLICITLY	* K2967000
				18835	*	* K2967500
				18836	* \$T J1-J2,S=(+ OR -)SID...SID -- SET SYSTEM AFFINITY	* K2968000
				18837	* -SID (...SID) -- DELETE AFFINITIE(S)	* K2968500
				18838	* +SID (...SID) -- ADD AFFINITIE(S)	* K2969000
				18839	* SID (...SID) -- SET AFFINITIE(S) XPLCIT	* K2969500
				18840	*	* K2970000
				18841	*****	K2970500
				18842	CTS NULL	ENTER HERE FOR STC CHANGE K2971000
004A98				18843+	CTS DS 0H	Z0006000
004A98	D503 D0B7 847A	000B7	04F10	18844	CLC COMVERB(4),=C'TSYS' TEST FOR '\$TSYS' COMMAND	K2971500
004A9E	4770 8018	04AAE		18845	BNE CTSNOTSY NO--SKIP NEXT	K2972000
004AA2	4810 8496	04F2C		18846	LH R1,=Y(CTSYS-HASPCSY1) PICK-UP OFFSET TO \$TSYS COMMAND	K2972500
004AA6	5880 847E	04F14		18847	L BASE3,=A(HASPCSY1) POINT TO SYSTEM COMMAND PROCESSOR	K2973000
004AAA	1E18			18848	ALR R1,BASE3 COMPUTE ENTRY ADDRESS	K2973500
004AAC	07F8			18849	BR BASE3 ENTER SYSTEM COMMAND PROCESSOR	K2974000
004AAE				18850	CTSNOTSY DS 0H	NOT \$TSYS COMMAND K2974500
004AAE	4820 8498	04F2E		18851	LH WA,=H'10000'	SET LOW END FOR STCS K2975000
004AB2	4130 B5BA	005BA		18852	LA WB,\$STCNO POINT TO STC BASE	K2975500
004AB6	D202 D17E 849C	0017E	04F32	18853	MVC COMJNAME(3),=C'STC' SET MESSAGE JOB ID	K2976000
004ABC	47F0 8048	04ADE		18854	B CTJA ENTER COMMON ROUTINE	K2976500
				18855	CTT NULL	ENTER HERE FOR TSU CHANGE K2977000
004AC0				18856+	CTT DS 0H	Z0006000
004AC0	4820 849A	04F30		18857	LH WA,=H'20000'	SET LOW END FOR TSUS K2977500
004AC4	4130 B5BC	005BC		18858	LA WB,\$TSUNO POINT TO TSU BASE	K2978000
004AC8	D202 D17E 849F	0017E	04F35	18859	MVC COMJNAME(3),=C'TSU' SET MESSAGE JOB ID	K2978500
004ACE	47F0 8048	04ADE		18860	B CTJA ENTER COMMON ROUTINE	K2979000
				18861	CTJ NULL	ENTER HERE FOR JOB CHANGE K2979500
004AD2				18862+	CTJ DS 0H	Z0006000
004AD2	1F22			18863	SLR WA,WA SET LOW END FOR JOBS	K2980000
004AD4	4130 B5B8	005B8		18864	LA WB,\$JOBNO POINT TO JOB BASE	K2980500
004AD8	D202 D17E 84A2	0017E	04F38	18865	MVC COMJNAME(3),=C'JOB' SET MESSAGE JOB ID	K2981000
				18866	CTJA \$CFCVB POINTER=(WD),NOK=CTJINVO CHANGE NBR TO BINARY	K2981500
004ADE				18867+	CTJA DS 0H	Z0006000
004ADE	1815			18868+	LR R1,WD	CJ018000
004AE0	45E0 C456	00456		18869+	BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
004AE4	47F0 80E8	04B7E		18870+	B CTJINVO BRANCH IF OPERAND INVALID	K0196500
004AE8	1200			18871	LTR R0,R0 TEST FOR GOOD VALUE	K2982000
004AEA	47D0 80E8	04B7E		18872	BNP CTJINVO NO--ERROR	K2982500
004AEE	1E02			18873	ALR R0,WA COMPUTE JOB NUMBER	K2983000
004AF0	1E12			18874	ALR R1,WA COMPUTE JOB NUMBER	K2983500
004AF2	1557			18875	CLR WD,WF TEST FOR ALTER A JOB	K2984000
004AF4	4740 80B4	04B4A		18876	BL CTJALTER YES--GO TO IT	K2984500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
					18877		\$QSUSE , ENQUEUE ON SHARED RESOURCE	K2985000
004AF8	05F0				18878+	BALR R15,0	SET RETURN ADDR FROM \$QSUSE	R4 GM014000
004AFA	9180	B427	00427		18879+	TM \$STATUS,\$QSONDA	MAY QUEUES BE USED...	@OZ27300 GM016000
004AFE	4770	B068	00068		18880+	BNZ \$QSUSES	BR TO \$QSUSE ROUTINE IF NO	R4 GM024000
004B02	1F02				18881	SLR R0,WA	RESET NUMBER	K2985500
004B04	1E20				18882	ALR WA,R0	COMPUTE ACTUAL TASK NUMBER	K2986000
					18883	\$CFCVE VALUE=(R0)	CONVERT NUMBER TO EBCDIC	K2986500
004B06	45E0	C4BA	004BA		18884+	BAL LINK,COFCVE	CONVERT TO EBCDIC	K0233000
004B0A	D204	D181 D090	00181 00090		18885	MVC COFJNO+(COMJNAME-COFJOB),COMDWORK	SET IN MSG	K2987000
004B10	D202	D0B6 D17E	000B6 0017E		18886	MVC COFJOB,COMJNAME	SET REST OF MESSAGE	K2987500
004B16	0620				18887	BCTR WA,0	LESS ONE FOR ACTUAL NUMBER	K2988000
004B18	4020	3000	00000		18888	STH WA,0(0,WB)	SET NEW BASE	K2988500
					18889	\$POST \$HASPECF,CKPW	\$POST CHECKPOINT WRITER	R41 K2988600
004B1C	9610	B427	00427		18890+	OI \$STATUS,\$CKPTW	SET CKPT-WRITE REQUEST	@OZ27300 FX169200
004B20	94FE	B4B1	004B1		18891+	NI \$HASPECF+\$EWBCKPW,FF-\$EWFKPW	RESET EVENT	@OZ27300 FX170000
004B24	D20D	D0B9 80A6	000B9 04B3C		18892	MVC COFJNO(14),CTJBM	SET ' NUMBER SET TO'	K2989000
004B2A	D204	D0C7 D090	000C7 00090		18893	MVC COFJNO+14,COMDWORK	SET JOB NUMBER BASE	K2989500
					18894	\$CRET L=COFJNAME-COFJOB+14	EXIT WITH MESSAGE	K2990000
004B30					18895+	DS 0H		Z0006000
004B30	4100	0017	00017		18896+	LA R0,COFJNAME-COFJOB+14		K0124500
004B34	41F0	0008	00008		18897+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE	K0133000
004B38	47F0	C1AC	001AC		18898+	B CORET	RETURN	K0137500
004B3C	40D5E4D4C2C5D940				18899	CTJBM DC C' NUMBER SET TO'	MESSAGE BODY	K2990500
					18900	*****		K2991000
					18901	*		* K2991500
					18902	*	ALTER A JOB'S CLASS, PRIORITY, OR AFFINITY	* K2992000
					18903	*		* K2992500
					18904	*****		K2993000
004B4A					18906	CTJALTER DS 0H	ALTER A JOB' CHARACTERISTICS	K2994000
004B4A	8910	0010	00010		18907	SLL R1,16	SHIFT INFORMATION	R4 K2994500
004B4E	1841				18908	LR WC,R1	COPY LOW BOUND	R4 K2995000
004B50	1E40				18909	ALR WC,R0	INCLUDE HIGH BOUND	R4 K2995500
004B52	9200	D18C	0018C		18910	CTJALTR1 MVI CTJFLAG,0	SET ALL OPTIONS OFF	K2996000
004B56					18911	CTJLOOP DS 0H	LOOP THROUGH OPERANDS	K2996500
004B56	8656	8220	04CB6		18912	BXH WD,WE,CTJEND	LOOP THROUGH ALL OPERANDS	K2997000
004B5A	5810	5000	00000		18913	L R1,0(,WD)	POINT TO OPERAND	K2997500
004B5E	957E	1001	00001		18914	CLI 1(R1),C'='	CHECK FOR PROPER FORMAT	K2998000
004B62	4770	80E8	04B7E		18915	BNE CTJINVO	NO -- ERROR	K2998500
004B66					18916	CTJSELCT DS 0H	SELECT PROPER BREAK-OUT ROUTINE	K2999000
					18917	\$CFSEL (C,CTJCLAS),(P,CTJPRIO),(S,CTJSID),OPERAND=(R1)		K2999500
004B66					18918+	DS 0H		Z0006000
004B66	95C3	1000	00000		18919+	CLI 0(R1),C'C'	TEST CHARACTER	R4 K1097000
004B6A	4780	80F0	04B86		18920+	BE CTJCLAS	BR IF MATCH	R4 K1097500
004B6E	95D7	1000	00000		18921+	CLI 0(R1),C'P'	TEST CHARACTER	R4 K1097000
004B72	4780	812E	04BC4		18922+	BE CTJPRIO	BR IF MATCH	R4 K1097500
004B76	95E2	1000	00000		18923+	CLI 0(R1),C'S'	TEST CHARACTER	R4 K1097000
004B7A	4780	8174	04C0A		18924+	BE CTJSID	BR IF MATCH	R4 K1097500
004B7E					18926	CTJINVO DS 0H	INVALID OPERAND ROUTINE	K3000500
004B7E	5810	5000	00000		18927	L R1,0(,WD)	POINT TO INVALID OPERAND	K3001000
					18928	\$CFINVO OPERAND=(R1)	ISSUE DIAGNOSTIC	K3001500
004B82	47F0	C7A6	007A6		18929+	B COFINVO	REPLY INVALID OPERAND	K0636500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004B86				18931	CTJCLAS	DS 0H	SET A NEW CLASS K3002500
004B86	947F D18C	0018C		18932	NI	CTJFLAG,255-CTJCLS	RESET CLASS FOUND FLAG K3003000
004B8A	58F0 8482	04F18		18933	L	R15,=A(CVALIDTB)	POINT TO TEST TABLE R4 K3003500
004B8E	DD00 1002 F000	00002	00000	18934	TRT	2(1,R1),0(R15)	VALID CLASS R4 K3004000
004B94	4770 80E8	04B7E		18935	BNZ	CTJINVO	IF INVALID -- ERROR K3004500
004B98	1FFF			18936	SLR	R15,R15	ZERO INSERT REGISTER K3005000
004B9A	43F0 1002	00002		18937	IC	R15,2(,R1)	PICK-UP NEW CLASS K3005500
004B9E	5FF0 8486	04F1C		18938	SL	R15,=A(X'C0')	LESS OFFSET TO CAT R4 K3006000
004BA2	89F0 0005	00005		18939	SLL	R15,5	TIMES CAT ELEMENT SIZE K3006500
004BA6	5EF0 B25C	0025C		18940	AL	R15,\$CATABLE	COMPUTE ADDRESS OF CAT ELEMENT K3007000
			00000	18941	USING	CATDSECT,R15	CAT ADDRESSABILITY K3007500
004BAA	91E0 F000	00000		18942	TM	CATJOBFL,CATVALID	TEST FOR VALID CLASS K3008000
004BAE	4780 80E8	04B7E		18943	BZ	CTJINVO	NO -- ERROR K3008500
				18944	DROP	R15	DROP CAT ADDRESSABILITY K3009000
004BB2	D200 D18B 1002	0018B	00002	18945	MVC	CTJSVCLS,2(R1)	SAVE GOOD CLASS K3009500
004BB8	947F D18B	0018B		18946	NI	CTJSVCLS,255-X'80'	TURN OFF HIGH BIT R4 K3010000
004BBC	9680 D18C	0018C		18947	OI	CTJFLAG,CTJCLS	SET CLASS OPERAND FOUND K3010500
004BC0	47F0 80C0	04B56		18948	B	CTJLOOP	AND LOOK FOR MORE OPERANDS K3011000
004BC4				18950	CTJPRI	DS 0H	SET CHANGE TO JOB(S) PRIORITY K3012000
004BC4	948F D18C	0018C		18951	NI	CTJFLAG,255-(CTJUPRI+CTJDPRI+CTJPRI)	RESET PRI FOUND K3012500
004BC8	9620 D18C	0018C		18952	OI	CTJFLAG,CTJUPRI	ASSUME ADDITION TO PRIO K3013000
004BCC	954E 1002	00002		18953	CLI	2(R1),C'+'	TEST FOR SAME K3013500
004BD0	4780 814E	04BE4		18954	BE	CTJCNVT	YES--CONVERT NUMBER K3014000
004BD4	9730 D18C	0018C		18955	XI	CTJFLAG,CTJUPRI+CTJDPRI	RESET ADD ASSUME SUB K3014500
004BD8	9560 1002	00002		18956	CLI	2(R1),C'-'	TEST FOR SUBTRACTION K3015000
004BDC	4780 814E	04BE4		18957	BE	CTJCNVT	YES--CONVERT NUMBER K3015500
004BE0	9710 D18C	0018C		18958	XI	CTJFLAG,CTJDPRI	RESET SUBTRACTION K3016000
				18959	CTJCNVT	\$CFCVB POINTER=(WD),NOK=CTJINVO	CONVERT PRIO K3016500
004BE4				18960	CTJCNVT	DS 0H	Z0006000
004BE4	1815			18961+	LR	R1,WD	CJ018000
004BE6	45E0 C456	00456		18962+	BAL	LINK,COFCVB	CONVERT NUMBERS TO BINARY K0193500
004BEA	47F0 80E8	04B7E		18963+	B	CTJINVO	BRANCH IF OPERAND INVALID K0196500
004BEE	8B00 0004	00004		18964	SLA	R0,4	MULTIPLY BY 16 K3017000
004BF2	4900 8166	04BFC		18965	CH	R0,*+10	TEST FOR EXCESSION OF MAX PRIO K3017500
004BF6	47D0 8168	04BFE		18966	BNH	*+8	NO--LEAVE VALUE AS IS K3018000
004BFA	4100 00FF	000FF		18967	LA	R0,255	SET MAX POSSIBLE PRIORITY K3018500
004BFE	4200 D18A	0018A		18968	STC	R0,CTJSVPRI	AND SAVE IT FOR LATER K3019000
004C02	9640 D18C	0018C		18969	OI	CTJFLAG,CTJPRI	SET PRIORITY FOUND K3019500
004C06	47F0 80C0	04B56		18970	B	CTJLOOP	AND LOOK FOR MORE OPERANDS K3020000
004C0A				18972	CTJSID	DS 0H	EXTRACT NEW AFFINITES FOR JOB(S) K3021000
004C0A	94F1 D18C	0018C		18973	NI	CTJFLAG,255-(CTJUAFF+CTJDAFF+CTJAFF)	RESET AFF FOUND K3021500
004C0E	9200 D189	00189		18974	MVI	CTJSVSID,0	SET AFFINITY TO 'NONE' K3022000
004C12	9604 D18C	0018C		18975	OI	CTJFLAG,CTJUAFF	ASSUME ADDITION TO AFFINITY K3022500
004C16	954E 1002	00002		18976	CLI	2(R1),C'+'	TEST FOR SAME K3023000
004C1A	4780 819A	04C30		18977	BE	CTJSID1	YES--GO EXTRACT REST OF FIELD K3023500
004C1E	9706 D18C	0018C		18978	XI	CTJFLAG,CTJUAFF+CTJDAFF	ASSUME DELETION OF AFFINITY K3024000
004C22	9560 1002	00002		18979	CLI	2(R1),C'-'	TEST FOR SAME K3024500
004C26	4780 819A	04C30		18980	BE	CTJSID1	YES -- EXTRACT REST OF OPERAND K3025000
004C2A	9702 D18C	0018C		18981	XI	CTJFLAG,CTJDAFF	RESET DELETION OF AFFINITIES K3025500
004C2E	0610			18982	BCTR	R1,0	FAKE EXISTENCE OF '+' OR '-' K3026000
004C30				18983	CTJSID1	DS 0H	EXTRACT REST OF AFFINITY OPERAND K3026500
004C30	4110 1003	00003		18984	LA	R1,3(,R1)	POINT TO FIRST SID CHARACTER K3027000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004C34					18985	CTJSID2	DS 0H	MAJOR LOOP FOR SID SCAN K3027500
004C34	D502	1000	84A5	00000	04F3B	18986	CLC 0(3,R1),=C'ANY'	TEST FOR 'ANY' AFFINITY DESIRED K3028000
004C3A	4770	81B4		04C4A		18987	BNE CTJSIIND	NO--TEST FOR INDEPENDENT MODE K3028500
004C3E	967F	D189		00189		18988	OI CTJSVVSID,QUESYSAF	YES -- SET AFFINITY TO 'ANY' K3029000
004C42	94F9	D18C		0018C		18989	NI CTJFLAG,255-(CTJUAFF+CTJDAFF)	RESET ADD OR SUB K3029500
004C46	47F0	81EA		04C80		18990	B CTJLPSID	AND EXIT FOR NEXT POSSIBLE SID K3030000
004C4A						18991	CTJSIIND DS 0H	TEST FOR INDEPENDENT MODE K3030500
004C4A	D502	1000	84A8	00000	04F3E	18992	CLC 0(3,R1),=C'IND'	IS REQUEST FOR INDEPENDENT MODE K3031000
004C50	4770	81C6		04C5C		18993	BNE CTJSIDM	NO--TRY FOR SPECIFIC SID OPERAND K3031500
004C54	9680	D189		00189		18994	OI CTJSVVSID,QUEINDAF	YES -- SET INDEPENDENT MODE K3032000
004C58	47F0	81EA		04C80		18995	B CTJLPSID	AND LOOP FOR MORE SID'S K3032500
004C5C						18996	CTJSIDM DS 0H	TRY FOR SPECIFIC SID OPERAND K3033000
004C5C	58E0	B1DC		001DC		18997	L R14,\$QSE1	POINT TO 1ST QSE R4 K3033500
						18998	*	THIS CARD DELETED BY APAR @OZ27300 K3034000
				00000		18999	USING QSESECT,R14	QSE ADDRESSABILITY K3034500
004C60						19000	CTJAFFLP DS 0H	LOOP FOR SID/OPERAND MATCH K3035000
						19001	*	THIS CARD DELETED BY APAR @OZ27300 K3035500
004C60	D503	E008	1000	00008	00000	19002	CLC QSESID,0(R1)	TEST FOR MATCH K3036000
004C66	4780	81E4		04C7A		19003	BE CTJAFFND	FOUND -- FLAG AFFINITY K3036500
004C6A	9101	E012		00012		19004	TM QSEFLAGS,QSELAST	TEST FOR LAST ELEMENT K3037000
004C6E	41E0	E014		00014		19005	LA R14,QSELEN(,R14)	BUMP TO NEXT QSE @OZ27300 K3037100
004C72	4780	81CA		04C60		19006	BZ CTJAFFLP	AND LOOP TILL FOUND OR ERROR K3037500
004C76	47F0	80E8		04B7E		19007	B CTJINVO	ERROR -- OPERAND NOT FOUND K3038000
004C7A						19008	CTJAFFND DS 0H	SID MATCHED OPERAND K3038500
004C7A	D600	D189	E00D	00189	0000D	19009	OC CTJSVVSID,QSESIAFF	FLAG THIS AFFINITY K3039000
004C80						19011	CTJLPSID DS 0H	LOOP FOR MORE AFFINITIES K3040000
004C80	9608	D18C		0018C		19012	OI CTJFLAG,CTJAFF	FLAG AFFINITY FOUND K3040500
004C84	8756	8210		04CA6		19013	BXLE WD,WE,CTJSIDNX	LOOK FOR MORE TO DO K3041000
004C88	9180	D189		00189		19014	TM CTJSVVSID,QUEINDAF	IF LAST TEST FOR 'IND' MODE K3041500
004C8C	4780	8220		04CB6		19015	BZ CTJEND	NO--EXIT OPERAND SCAN K3042000
004C90	917F	D189		00189		19016	TM CTJSVVSID,255-QUEINDAF	TEST FOR 'IND' WITHOUT OTHER AF K3042500
004C94	4770	8220		04CB6		19017	BNZ CTJEND	NO--EXIT OPERAND SCAN K3043000
004C98	9106	D18C		0018C		19018	TM CTJFLAG,CTJUAFF+CTJDAFF	TEST FOR '+' OR '-' K3043500
004C9C	4770	8220		04CB6		19019	BNZ CTJEND	'OK' WHEN + OR - IND K3044000
004CA0	1F56					19020	SLR WD,WE	ELSE ERROR, BACK UP ONE OPERAND K3044500
004CA2	47F0	80E8		04B7E		19021	B CTJINVO	AND ISSUE DIAGNOSTIC K3045000
004CA6						19023	CTJSIDNX DS 0H	TRY FOR NEXT OPERAND K3046000
004CA6	5810	5000		00000		19024	L R1,0(,WD)	PT TO NEXT OPERAND K3046500
004CAA	957E	1001		00001		19025	CLI 1(R1),C'='	TEST FOR ANOTHER SID K3047000
004CAE	4780	80D0		04B66		19026	BE CTJSELCT	NO -- SELECT NEXT CHANGE K3047500
004CB2	47F0	819E		04C34		19027	B CTJSID2	ELSE ENTER SCAN LOOP K3048000
						19028	DROP R14	DROP QSE ADDRESSABILITY K3048500
004CB6						19030	CTJEND DS 0H	END OF OPERANDS K3049500
004CB6	D200	D18D	D18C	0018D	0018C	19031	MVC CTJFLAG1,CTJFLAG	SAVE OPTIONS K3050000
004CBC	5040	D190		00190		19032	ST WC,CTJRANGE	SET JOB RANGES R4 K3050500
004CC0	4850	D190		00190		19033	LH WD,CTJRANGE	PICK UP LOW BOUND R4 K3051000
004CC4	4860	D192		00192		19034	CTJSCAN LH WE,CTJRANGE+2	PICK UP HIGH BOUND R4 K3051500
						19035	\$QSUSE ,	ENQUEUE ON SHARED QUEUES K3052000
004CC8	05F0					19036+	BALR R15,0	SET RETURN ADDR FROM \$QSUSE R4 GM014000
004CCA	9180	B427		00427		19037+	TM \$STATUS,\$QSONDA	MAY QUEUES BE USED... @OZ27300 GM016000
004CCE	4770	B068		00068		19038+	BNZ \$QSUSES	BR TO \$QSUSE ROUTINE IF NO R4 GM024000
004CD2	1FAA					19039	SLR R10,R10	ZERO JOB HIT REGISTER K3052500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19040	\$CFJSCAN PROCESS=CTJPRO,NEXT=CTJNEXT SCAN JOB QUEUE	K3053000
				19041+	*****	K1045000
				19042+	SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				19043+	*****	K1046000
004CD4	41F0 005E	0005E		19044+	LA R15,\$JQTYPES*2 NO. OF JOB QUEUES (TIMES 2) @OZ29819	K1048600
004CD8	40F0 D08A	0008A		19045+CJS0680A	STH R15,COMJQHDS SAVE JOB QUEUE HEADER INDEX	R4 K1049500
004CDC	411F B54E	0054E		19046+	LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE	R4 K1050000
004CE0	4810 1006	00006		19047+CTJNEXT	LH R1,JQECHAIN GET OFFSET OF NEXT JOE	R4 K1055500
004CE4	5410 848A	04F20		19048+	N R1,=A('X'0000FFFF') INSURE OFFSET POSITIVE	R4 K1056000
004CE8	4780 8262	04CF8		19049+	BZ CJS0680C BR IF END OF QUEUE	R4 K1056500
004CEC	8910 0002	00002		19050+	SLL R1,2 GET TRUE	R4 K1057000
004CF0	5E10 B1C0	001C0		19051+	AL R1,\$JOBQPTR JOE ADDRESS	R4 K1057500
004CF4	47F0 82B0	04D46		19052+	B CTJPRO AND ENTER PROCESS ROUTINE	R4 K1058000
004CF8	48F0 D08A	0008A		19053+CJS0680C	LH R15,COMJQHDS GET CURRENT JOB QUEUE HDR INDEX	R4 K1059000
004CFC	06F0			19054+	BCTR R15,0 REDUCE OFFSET BY 1	R4 K1059500
004CFE	46F0 8242	04CD8		19055+	BCT R15,CJS0680A BR IF ANOTHER JOB QUEUE	R4 K1061500
004D02	121A			19057	LTR R1,R10 TEST FOR ANY JOB(S) FOUND	K3054000
004D04	4780 8278	04D0E		19058	BZ CTJNOJOB NONE--EXIT	K3054500
004D08	1856			19059	LR WD,WE SET NEW HIGHEST NUMBER	K3055000
004D0A	47F0 82CC	04D62		19060	B CTJCHNG AND GO MODIFY FOUND JOB	K3055500
004D0E				19061 CTJNOJOB	DS 0H TEST FOR ANY JOB(S) SET	K3056000
004D0E	9101 D18C	0018C		19062	TM CTJFLAG,CTJJOB TEST FOR SAME	K3056500
004D12	4710 8292	04D28		19063	BO CTJRET YES--RETURN	K3057000
				19064	\$CRET MSG='NO JOB(S) FOUND' EXIT EITH DIAGNOSTIC	K3057500
004D16				19065+	DS 0H	Z0006000
004D16	D20E D0B6 84AB	000B6 04F41		19066+	MVC COMMAND(15),=C'NO JOB(S) FOUND'	K0131000
004D1C	4100 000F	0000F		19067+	LA R0,15 SET LENGTH OF MSG IN R0	K0131500
004D20	41F0 0008	00008		19068+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
004D24	47F0 C1AC	001AC		19069+	B CORET RETURN	K0137500
004D28				19070 CTJRET	DS 0H RETURN WITH NO DIAGNOSTIC	K3058000
				19071	\$CRET , RETURN	K3058500
004D28				19072+	DS 0H	Z0006000
004D28	41F0 0000	00000		19073+	LA R15,CORTNORM NORMAL RETURN	K0137000
004D2C	47F0 C1AC	001AC		19074+	B CORET RETURN	K0137500
004D30				19076 CTJUPONE	DS 0H PICK-UP NEXT NUMBER	K3059500
004D30	D200 D18C D18D	0018C 0018D		19077	MVC CTJFLAG,CTJFLAG1 GET OPTIONS FOR NEXT JOB	K3060000
004D36	4150 5001	00001		19078	LA WD,1(,WD) ADD ONE TO FIRST NUMBER	K3060500
004D3A	4950 D192	00192		19079	CH WD,CTJRANGE+2 ABOVE HIGH BOUND	R4 K3061000
004D3E	47D0 822E	04CC4		19080	BNH CTJSCAN NO--SCAN QUEUE AGAIN	K3061500
004D42	47F0 8278	04D0E		19081	B CTJNOJOB ELSE EXIT \$TJ ROUTINE	K3062000
004D46				19083 CTJPRO	DS 0H JOB FOUND -- TEST IT	K3063000
004D46	4800 1002	00002		19084	LH R0,JQEJOBNO PICK-UP JOB'S NUMBER	K3063500
004D4A	1505			19085	CLR R0,WD TEST FOR IN LOW RANGE	K3064000
004D4C	4780 82CC	04D62		19086	BE CTJCHNG EXACT HIT GO CHANGE IT	K3064500
004D50	4740 824A	04CE0		19087	BL CTJNEXT BELOW RANGE - GET NEXT JOB	K3065000
004D54	1506			19088	CLR R0,WE HIGH--TEST FOR HIGH RANGE	K3065500
004D56	4720 824A	04CE0		19089	BH CTJNEXT IF HIGHER THAN HIGH-GET NEXT	K3066000
004D5A	18A1			19090	LR R10,R1 IF LOW OR EQUAL SET JOB TO CHANGE	K3066500
004D5C	1860			19091	LR WE,R0 SET NEW HIGHEST NUMBER	K3067000
004D5E	47F0 824A	04CE0		19092	B CTJNEXT AND GET NEXT JOB	K3067500
004D62				19094 CTJCHNG	DS 0H JOB FOUND TO CHANGE	K3068500
004D62	9601 D18D	0018D		19095	OI CTJFLAG1,CTJJOB SET JOB FLAG FOUND FLAG	K3069000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004D66	9140 D18C	0018C		19096	TM	CTJFLAG,CTJPRI	TEST FOR PRIORITY CHANGE K3069500
004D6A	4780 8320	04DB6		19097	BZ	CTJCCLAS	NO--CHECK FOR CLASS CHANGE K3070000
004D6E	9107 1004	00004		19098	TM	JQEFLAGS,QUEBUSY	TEST FOR JOB BUSY K3070500
004D72	4780 82E8	04D7E		19099	BZ	CTJNTPRI	NO--OK TO CHANGE PRIORITY K3071000
004D76	948F D18C	0018C		19100	NI	CTJFLAG,255-(CTJPRI+CTJUPRI+CTJDPRI)	RESET PRI OPTION K3071500
004D7A	47F0 8320	04DB6		19101	B	CTJCCLAS	AND TRY FOR CLASS CHANGE K3072000
004D7E				19102	CTJNTPRI DS	0H	CONTINUE WITH PRIORITY CHANGE K3072500
004D7E	1F00			19103	SLR	R0,R0	ZERO CURRENT PRIO REGISTER K3073000
004D80	4300 1000	00000		19104	IC	R0,JQEPRI0	GET CURRENT PRIORITY K3073500
004D84	1F22			19105	SLR	WA,WA	ZERO NEW PRIORITY REGISTER K3074000
004D86	4320 D18A	0018A		19106	IC	WA,CTJSVPRI	PICK-UP NEW PRIORITY K3074500
004D8A	9120 D18C	0018C		19107	TM	CTJFLAG,CTJUPRI	TEST FOR ADDITION K3075000
004D8E	4710 830C	04DA2		19108	BO	CTJPRIU	YES--ADD NEW TO OLD TO GET NEW K3075500
004D92	9110 D18C	0018C		19109	TM	CTJFLAG,CTJDPRI	TEST FOR SUBTRACTION TO PRIORITY K3076000
004D96	4710 830A	04DA0		19110	BO	CTJPRID	YES-SUB NEW FROM OLD TO GET NEW K3076500
004D9A	1F00			19111	SLR	R0,R0	ELSE SET PRIORITY EXPLICITLY K3077000
004D9C	47F0 830C	04DA2		19112	B	CTJPRIU	AND ENTER ADDITION RTN K3077500
004DA0	1122			19113	CTJPRID LNR	WA,WA	SET NEW AS NEGATIVE K3078000
004DA2	1A20			19114	CTJPRIU AR	WA,R0	COMPUTE NEW PRIORITY K3078500
004DA4	47B0 8314	04DAA		19115	BNM	*+6	IF NOT NEGATIVE -- OK K3079000
004DA8	1F22			19116	SLR	WA,WA	ELSE SET AS ZERO K3079500
004DAA	4920 831E	04DB4		19117	CH	WA,*+10	TEST FOR ABOVE MAX K3080000
004DAE	47D0 8320	04DB6		19118	BNH	CTJCCLAS	NO--LEAVE AS IS K3080500
004DB2	4120 00FF	000FF		19119	LA	WA,255	SET MAX PRIORITY K3081000
004DB6				19121	CTJCCLAS DS	0H	TEST FOR CHANGE TO JOB CLASS K3082000
004DB6	9180 D18C	0018C		19122	TM	CTJFLAG,CTJCLS	TEST FOR CLASS CHANGE K3082500
004DBA	4780 8392	04E28		19123	BZ	CTJCAFF	NO TEST FOR CHANGE TO AFFINITY K3083000
004DBE	9140 1001	00001		19124	TM	JQETYPE,\$XEQ	TEST FOR CNVT OR XEQT K3083500
004DC2	4780 838E	04E24		19125	BZ	CTJBDCLS	NO--CAN'T CHANGE CLASS K3084000
004DC6	9107 1004	00004		19126	TM	JQEFLAGS,QUEBUSY	TEST FOR JOB BUSY IN THESE STAGES K3084500
004DCA	4770 838E	04E24		19127	BNZ	CTJBDCLS	YES -- CAN'T CHANGE CLASS K3085000
004DCE	9540 1001	00001		19128	CLI	JQETYPE,\$XEQ	TEST FOR QUEUED FOR CONVERSION K3085500
004DD2	4780 838E	04E24		19129	BE	CTJBDCLS	YES--CAN'T CHANGE CLASS K3086000
004DD6	1F33			19130	SLR	WB,WB	ZERO NEW CLASS REGISTER K3086500
004DD8	4330 D18B	0018B		19131	IC	WB,CTJSVCLS	PICK-UP NEW CLASS K3087000
004DDC	1FFF			19132	SLR	R15,R15	ZERO OLD CLASS REGISTER K3087500
004DDE	43F0 1001	00001		19133	IC	R15,JQETYPE	PICK-UP OLD JOB CLASS K3088000
004DE2	5FF0 848E	04F24		19134	SL	R15,=A(X'40')	SUBTRACT FOR OFFSET TO CAT K3088500
004DE6	89F0 0005	00005		19135	SLL	R15,5	COMPUTE DISPLACEMENT INTO CAT K3089000
004DEA	5EF0 B25C	0025C		19136	AL	R15,\$CATABLE	COMPUTE CAT ADDRESS K3089500
004DEE	5F30 848E	04F24		19137	SL	WB,=A(X'40')	SUBTRACT FOR CAT K3090000
004DF2	8930 0005	00005		19138	SLL	WB,5	TIMES CAT SIZE K3090500
004DF6	5E30 B25C	0025C		19139	AL	WB,\$CATABLE	COMPUTE CAT ELEMENT ADDRESS K3091000
004DFA	9180 F000	00000		19140	TM	CATJOBFL-CATDSECT(R15),CATBATCH	TEST FOR BATCH R4 K3091500
004DFE	4780 838E	04E24		19141	BZ	CTJBDCLS	ERROR IF NOT BATCH R4 K3092000
004E02	9108 F001	00001		19142	TM	CATJBOPT-CATDSECT(R15),CATXBACH	TEST FOR XBM R4 K3092500
004E06	4710 838E	04E24		19143	BO	CTJBDCLS	ERROR IF XBATC R4 K3093000
004E0A	9180 3000	00000		19144	TM	CATJOBFL-CATDSECT(WB),CATBATCH	TEST FOR BATCH R4 K3093500
004E0E	4780 838E	04E24		19145	BZ	CTJBDCLS	ERROR IF NOT BATCH R4 K3094000
004E12	9108 3001	00001		19146	TM	CATJBOPT-CATDSECT(WB),CATXBACH	TEST FOR XBM R4 K3094500
004E16	4710 838E	04E24		19147	BO	CTJBDCLS	ERROR IF XBATC R4 K3095000
004E1A	1F33			19148	SLR	WB,WB	CLEAR REGISTER R4 K3095500
004E1C	4330 D18B	0018B		19149	IC	WB,CTJSVCLS	PICK-UP GOOD CLASS K3096000
004E20	47F0 8392	04E28		19150	B	CTJCAFF	AND GO CHANGE AFFINITY POSSIBLY K3096500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
004E24				19151	CTJBDCLS DS	0H INVLAID TO CHANGE CLASS	K3097000
004E24	947F D18C	0018C		19152	NI CTJFLAG,255-CTJCLS	INDICATE NO CLASS CHANGE	K3097500
004E28				19154	CTJCAFF DS	0H SET NEW AFFINITY	K3098500
004E28	9108 D18C	0018C		19155	TM CTJFLAG,CTJAFF	TEST FOR AFFINITY CHANGE	K3099000
004E2C	4780 8418	04EAE		19156	BZ CTJQMOD	NO--MODIFY ELEMENT POSSIBLY	K3099500
004E30	D501 1002 8498	00002 04F2E		19157	CLC JQEJOBNO,=H'10000'	TEST FOR NORMAL JOB	K3100000
004E36	4740 83BC	04E52		19158	BL CTJNTAFF	YES--OK TO CHANGE AFFINITY	K3100500
004E3A	9140 1001	00001		19159	TM JQETYPE,\$XEQ	TEST FOR STC OR TSU IN XEQ OR CNV	K3101000
004E3E	4710 83B4	04E4A		19160	BO CTJBDAFF	YES--CAN'T CHANGE AFFINITY	K3101500
004E42	9520 1001	00001		19161	CLI JQETYPE,\$INPUT	TEST FOR STC OR TSU IN INPUT RDR	K3104000
004E46	4770 83BC	04E52		19162	BNE CTJNTAFF	NO--OK TO CHANGE AFFINITY	K3104500
004E4A				19163	CTJBDAFF DS	0H CAN'T CHANGE AFFINITY	K3105000
004E4A	94F1 D18C	0018C		19164	NI CTJFLAG,255-(CTJAFF+CTJUAFF+CTJDAFF)	RESET AFF CHANGE	K3105500
004E4E	47F0 8418	04EAE		19165	B CTJQMOD	AND MODIFY JOB QUEUE ELEMENT	K3106000
004E52				19166	CTJNTAFF DS	0H OK TO CHANGE AFFINITY	K3106500
004E52	D200 D188 1005	00188 00005		19167	MVC CTJOLDAF,JQEFLAG2	PICK-UP OLD AFFINITIES	K3107000
004E58	9104 D18C	0018C		19168	TM CTJFLAG,CTJUAFF	TEST FOR ADDITION TO AFF	K3107500
004E5C	4710 83D6	04E6C		19169	BO CTJUPAF	YES--GO DO IT	K3108000
004E60	9102 D18C	0018C		19170	TM CTJFLAG,CTJDAFF	TEST FOR SUBTRACTION TO AFF	K3108500
004E64	4710 83E0	04E76		19171	BO CTJDWAF	YES--GO DO IT	K3109000
004E68	9200 D188	00188		19172	MVI CTJOLDAF,0	SET AFFINITY TO 'NONE'	K3109500
004E6C	D600 D188 D189	00188 00189		19173	CTJUPAF OC	CTJOLDAF,CTJSV SID SET NEW AFFINITIES	K3110000
004E72	47F0 8418	04EAE		19174	B CTJQMOD	GO SET NEW JOB CHARACTERISTICS	K3110500
004E76				19175	CTJDWAF DS	0H REQUEST IS TO REMOVE AFFINITIES	K3111000
004E76	41F0 00FF	000FF		19176	LA R15,255	SET REGISTER TO ALL BITS 'ON'	K3111500
004E7A	1F00			19177	SLR R0,R0	ZERO INSERT REGISTER	K3112000
004E7C	4300 D189	00189		19178	IC R0,CTJSV SID	PICK-UP AFFINITIES TO REMOVE	K3112500
004E80	1FF0			19179	SLR R15,R0	COMPUTE BITS TO LEAVE 'ON'	K3113000
004E82	44F0 8410	04EA6		19180	EX R15,CTJOFFAF	TURN 'OFF' SELECTED AFFINITIES	K3113500
004E86	58E0 B1DC	001DC		19181	L R14,\$QSE1	POINT TO 1ST QSE R4	K3114000
				19182	*	THIS CARD DELETED BY APAR @OZ27300	K3114500
		00000		19183	USING QSESECT,R14	QSE ADDRESSABILITY	K3115000
				19184	*	THIS CARD DELETED BY APAR @OZ27300	K3115500
004E8A	43F0 E00D	0000D		19185	CTJAFFCK IC	R15,QSE SIAFF PICK UP AFFINITY FOR TEST @OZ27300	K3116000
004E8E	44F0 8414	04EAA		19186	EX R15,CTJAFFON	TEST FOR IMPOSSIBLE AFFINITY	K3116500
004E92	4710 8418	04EAE		19187	BO CTJQMOD	AFFINITY IS 'OK'	K3117000
004E96	9101 E012	00012		19188	TM QSEFLAGS,QSELAST	TEST FOR LAST ELEMENT	K3117500
004E9A	41E0 E014	00014		19189	LA R14,QSELEN(,R14)	BUMP TO NEXT QSE @OZ27300	K3117600
004E9E	4780 83F4	04E8A		19190	BZ CTJAFFCK	GO LOOK AGIN	K3118000
004EA2	47F0 83D6	04E6C		19191	B CTJUPAF	NOT FOUND -RESET AFFINITY	K3118500
004EA6	9400 D188	00188		19192	CTJOFFAF NI	CTJOLDAF,*-* **** EXECUTE ONLY ****	K3119000
004EAA	9100 D188	00188		19193	CTJAFFON TM	CTJOLDAF,*-* **** EXECUTE ONLY ****	K3119500
				19194	DROP R14	DROP QSE ADDRESSABILITY	K3120000
004EAE				19196	CTJQMOD DS	0H SET NEW JOB CHARACTERISTICS	K3121000
004EAE	91C8 D18C	0018C		19197	TM CTJFLAG,CTJPRI+CTJCLS+CTJAFF	TEST FOR ANY CHANGES	K3121500
004EB2	4780 845E	04EF4		19198	BZ CTJDISP	NO--DISPLAY JOB ONLY	K3122000
004EB6	9140 D18C	0018C		19199	TM CTJFLAG,CTJPRI	TEST FOR PRIORITY CHANGE	K3122500
004EBA	4780 842C	04EC2		19200	BZ *+8	NO--TRY AFFINITY CHANGE	K3123000
004EBE	4220 1000	00000		19201	STC WA,JQEPRIO	SET NEW PRIORITY	K3123500
004EC2	9108 D18C	0018C		19202	TM CTJFLAG,CTJAFF	TEST FOR AFFINITY CHANGE	K3124000
004EC6	4780 8442	04ED8		19203	BZ CTJNPOST	NO--TEST FOR \$QMOD OR \$QCKPT	K3124500
004ECA	D200 1005 D188	00005 00188		19204	MVC JQEFLAG2,CTJOLDAF	SET NEW AFFINITIES	K3125000
				19205	\$POST \$HASPECF,(JOB)	POST FOR JOB CHANGE	K3125500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
				19206+*		THIS CARD DELETED BY APAR @OZ27300	FX120000
004ED0	94DF B4B1	004B1		19207+	NI	\$HASPECF+\$EWBJOB,255-\$SEWFJOB RESET EVENTS	FX152000
004ED4	9680 B220	00220		19208	OI	\$AQSE,QSEPJOB CAUSE X SYSTEM POST(S)	K3126000
004ED8				19209	CTJNPOST DS	0H NO POST REQUIRED	K3126500
004ED8	9180 D18C	0018C		19210	TM	CTJFLAG,CTJCLS TEST FOR CLASS CHANGE	K3127000
004EDC	4710 8458	04EEE		19211	BO	CTJ\$QMOD YES--USE NEW CLASS	K3127500
004EE0	9140 D18C	0018C		19212	TM	CTJFLAG,CTJPRI TEST FOR \$QMOD OR \$QCKTP NEEDED	K3128000
004EE4	4780 8470	04F06		19213	BZ	CTJCKPT NO--CHECKPOINT THE ELEMENT	K3128500
004EE8	1F33			19214	SLR	WB,WB ELSE ZERO CLASS REGISTER	K3129000
004EEA	4330 1001	00001		19215	IC	WB,JQETYPE PICKUP EXISTING CLASS	K3129500
004EEE				19216	CTJ\$QMOD DS	0H MODIFY JOB QUEUE ELEMENT	K3130000
				19217		\$QMOD (R1),(WB) ELSE RESET JOB IN QUEUE	K3130500
004EEE	1803			19218+	LR	R0,WB	CJ018000
004EF0	45E0 B060	00060		19219+	BAL	LINK,\$QMOD LINK TO CONTROL SERVICE PROGRAM	GH010000
				19221	CTJDISP	\$CFJMSG , DISPLAY JOB	K3131500
004EF4				19222+	CTJDISP DS	0H	Z0006000
004EF4	92FF D117	00117		19223+	MVI	COFOPT,COFU SET OPTION	K0750000
004EF8	927F D118	00118		19224+	MVI	COFAFF,X'7F' SET FOR ALL SYSTEMS ACTIVE	K0751500
004EFC	58A0 8492	04F28		19225+	L	R10,=A(COFJMSG) POINT TO SERVICE ROUTINE	R4 K0752500
004F00	052A			19226+	BALR	WA,R10 CALL JOB INFORMATION MSG ROUTINE	R4 K0753000
004F02	47F0 829A	04D30		19228	B	CTJUPONE AND GET NEXT JOB	K3132500
004F06				19229	CTJCKPT DS	0H CHECK POINT NEEDED	K3133000
				19230		\$QCKPT (R1) CHECK POINT MODIFIED JOB	K3133500
004F06	45E0 B05C	0005C		19231+	BAL	LINK,\$QCKPT LINK TO CONTROL SERVICE PROGRAM	GB010000
004F0A	47F0 845E	04EF4		19232	B	CTJDISP AND DISPLAY IT	K3134000
				19234 *		\$TJOB EQUATES	K3135000
		00188		19236	CTJOLDAF EQU	COMPNTER,1 OLD AFFINITY SAVE AREA	K3136000
		00189		19237	CTJSVSID EQU	COMPNTER+1,1 NEW AFFINITY SAVE AREA	K3136500
		0018A		19238	CTJSVPRI EQU	COMPNTER+2,1 NEW PRIORITY SAVE ATEA	K3137000
		0018B		19239	CTJSVCLS EQU	COMPNTER+3,1 NEW CLASS SAVE AREA	K3137500
		0018C		19240	CTJFLAG EQU	COMPNTER+4,1 FLAGS FOR JOB CHANGES	K3138000
		0018D		19241	CTJFLAG1 EQU	COMPNTER+5,1 SAVE AREA FOR FLAGS	K3138500
		00190		19242	CTJRRANGE EQU	COMPNTER+8,4 JOB RANGES	R4 K3139000
				19243 *		FLAG DEFINITIONS	K3139500
		00080		19244	CTJCLS EQU	X'80' CLASS OPERAND WAS PROVIDED	K3140000
		00040		19245	CTJPRI EQU	X'40' PRIORITY OPERAND WAS PROVIDED	K3140500
		00020		19246	CTJUPRI EQU	X'20' PRIORITY IS TO BE INCREASED	K3141000
		00010		19247	CTJDPRI EQU	X'10' PRIORITY IS TO BE DECREASED	K3141500
		00008		19248	CTJAFF EQU	X'08' AFFINITY OPERAND WAS PROVIDED	K3142000
		00004		19249	CTJUAFF EQU	X'04' AFFINITY IS TO BE INCREASED	K3142500
		00002		19250	CTJDAFF EQU	X'02' AFFINITY IS TO BE DECREASED	K3143000
		00001		19251	CTJJOB EQU	X'01' JOB WAS FOUND FLAG	K3143500
004F10				19253	LTORG ,		K3144500
004F10	E3E2E8E2			19254		=C'TSYS'	
004F14	000062A2			19255		=A(HASPCSY1)	
004F18	00001A48			19256		=A(CVALIDTB)	
004F1C	000000C0			19257		=A(X'C0')	
004F20	0000FFFF			19258		=A(X'0000FFFF')	
004F24	00000040			19259		=A(X'40')	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
004F28	00001426			19260	=A(COFJMSG)	
004F2C	0A9C			19261	=Y(CTSYS-HASPCSY1)	
004F2E	2710			19262	=H'10000'	
004F30	4E20			19263	=H'20000'	
004F32	E2E3C3			19264	=C'STC'	
004F35	E3E2E4			19265	=C'TSU'	
004F38	D1D6C2			19266	=C'JOB'	
004F3B	C1D5E8			19267	=C'ANY'	
004F3E	C9D5C4			19268	=C'IND'	
004F41	D5D640D1D6C24DE2			19269	=C'NO JOB(S) FOUND'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19271	HASPCJB4 \$COMGRUP OJ,OS,OT	DEFINE SUB-PROCESSOR FOR \$O CMN K3145500
004F50				19272+	HASPCJB4 DS 0H	K0088500
		04F50		19273+	USING *,BASE3	ADDRESSABILITY K0089000
004F50	07F1			19274+	BR R1	GO TO SUB-PROCESSOR SELECTED K0091000
				19276	*****	K3146500
				19277	*	* K3147000
				19278	* \$O (J,S,T)N-NN,OPTIONS,Q=SYSOUT CLASS(ES) OF DATA SETS	* K3147500
				19279	* CHANGE STATUS OF OUTPUT DATA SETS FOR JOBS, STCS, OR TSUS	* K3148000
				19280	* WHERE OPTIONS ARE - CANCEL, RELEASE, OR RELEASE TO A	* K3148500
				19281	* SPECIFIED REMOTE OR LOCAL	* K3149000
				19282	* JOB, STC, OR TSU NUMBERS MAY BE SPECIFIED BY RANGE N-NN	* K3149500
				19283	* WITH N LESS THAN NN. OPERANDS FOLLOWING THE FIRST MAY	* K3150000
				19284	* APPEAR IN ANY ORDER.	* K3150500
				19285	*	* K3151000
				19286	* REGISTERS USED -	* K3151500
				19287	*	* K3152000
				19288	* WB = ROUTE CODE IF RE-ROUTING IS DESIRED	* K3152500
				19289	* WC = BEGINNING JOB, STC, OR TSU NUMBER	* K3153000
				19290	* WE = ENDING JOB, STC, OR TSU NUMBER	* K3153500
				19291	*	* K3154000
				19292	*****	K3154500
004F52				19294	COT DS 0H	ENTRY FOR \$OT COMMAND K3155500
004F52	4820 83D8	05328		19295	LH WA,=H'20000'	SET TSU INCREMENT K3156000
004F56	47F0 8014	04F64		19296	B COJTS	AND ENTER COMMON SECTION K3156500
004F5A				19297	COS DS 0H	ENTRY FOR \$OS COMMAND K3157000
004F5A	4820 83DA	0532A		19298	LH WA,=H'10000'	SET STC INCREMENT K3157500
004F5E	47F0 8014	04F64		19299	B COJTS	AND ENTER COMMON SECTION K3158000
004F62				19300	COJ DS 0H	ENTRY FOR \$OJ COMMAND K3158500
004F62	1F22			19301	SLR WA,WA	INDICATE NO INCREMENT FOR JOBS K3159000
004F64				19302	COJTS DS 0H	COMMON SECTION FOR JOB,STC,TSU K3159500
				19303	\$CFCVB POINTER=(WD),NOK=COJINVOA	CONVERT TO BINARY K3160000
004F64				19304+	DS 0H	Z0006000
004F64	1815			19305+	LR R1,WD	CJ018000
004F66	45E0 C456	00456		19306+	BAL LINK,COFCVB	CONVERT NUMBERS TO BINARY K0193500
004F6A	47F0 8072	04FC2		19307+	B COJINVOA	BRANCH IF OPERAND INVALID K0196500
004F6E	1211			19308	LTR R1,R1	RESULT ZERO R4 K3160500
004F70	4780 8072	04FC2		19309	BZ COJINVOA	ERROR IF YES R4 K3161000
004F74	1E12			19310	ALR R1,WA	COMPUTE ACTUAL LOW NUMBER R4 K3161500
004F76	1E02			19311	ALR R0,WA	COMPUTE ACTUAL HIGH NUMBER R4 K3162000
004F78	4010 5000	00000		19312	STH R1,0(,WD)	SAVE LOW NUMBER FOR LATER K3162500
004F7C	4000 5002	00002		19313	STH R0,2(,WD)	AND HIGH ALSO K3163000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19315	*****	K3164000
				19316	*	* K3164500
				19317	* SCAN OPERANDS FOR OUTPUT DATA SET ACTION	* K3165000
				19318	*	* K3165500
				19319	*****	K3166000
004F80	1845			19320	COJBEGIN LR WC,WD SAVE POINTER TO OPERAND PTRS	K3166500
				19321	\$TIME GET CURRENT DATE IN R1 R41	K3166600
				19322+	/* MACDATE Y-1 72277 */	02050002
				19323+	/*	02100002
004F82	4110 0001	00001		19324+	LA 1,1(0,0) LOAD 1 TO SPECIFY UNIT	22000002
004F86	0A0B			19325+	SVC 11 ISSUE TIME SVC	35000002
004F88	5010 D1DC	001DC		19326	ST R1,COJSVCRD SAVE IT R41	K3166700
004F8C				19327	COJLOOP DS 0H ENTER OPERAND SCAN LOOP	K3167000
004F8C	8646 819A	050EA		19328	BXH WC,WE,COJOPEND SCAN TILL END OF OPERANDS	K3167500
004F90	5810 4000	00000		19329	L R1,0(,WC) POINT TO OPERAND	K3168000
004F94	957E 1001	00001		19330	CLI 1(R1),C'=' TEST FOR POSSIBLE CLASS STRING	K3168500
004F98	4770 8068	04FB8		19331	BNE COJTEST NO--LOOK FURTHER	K3169000
004F9C	95D8 1000	00000		19332	CLI 0(R1),C'Q' YES -- TEST FOR PROPER FORMAT	K3169500
004FA0	4780 807A	04FCA		19333	BE COJCLASS YES--EXTRACT CLASS STRING	K3170000
004FA4	95D9 1000	00000		19334	CLI 0(R1),C'R' THIS ROUTE CODE R4	K3170500
004FA8	4780 80CE	0501E		19335	BE COJRMRT BREAK OUT ROUTE CODE IF YES R4	K3171000
004FAC	95C4 1000	00000		19336	CLI 0(R1),C'D' CUT-OFF DATE SPECIFIED... R41	K3171100
004FB0	4780 80EC	0503C		19337	BE COJDATE BR IF YES R41	K3171200
004FB4	47F0 8070	04FC0		19338	B COJINVOO NO--ERROR IN OPERAND	K3171500
004FB8	95C3 1000	00000		19339	COJTEST CLI 0(R1),C'C' IS IT A REQUEST TO CANCEL	K3172000
004FBC	4780 80C6	05016		19340	BE COJCANCL YES--FLAG CANCEL REQUIRED	K3172500
004FC0				19341	COJINVOO DS 0H INVALID OPERAND	K3173000
004FC0	1854			19342	LR WD,WC COPY OPERAND POINTER	K3173500
004FC2	5810 5000	00000		19343	COJINVOA L R1,0(,WD) POINT TO INVALID OPERAND	K3174000
				19344	\$CFINVO OPERAND=(R1) AND DISPLAY IT	K3174500
004FC6	47F0 C7A6	007A6		19345+	B COFINVO REPLY INVALID OPERAND	K0636500
004FCA				19347	COJCLASS DS 0H EXTRACT SYSOUT CLASSES	K3175500
004FCA	58F0 4004	00004		19348	L R15,4(,WC) POINT TO NEXT OPERAND	K3176000
004FCE	41F0 F000	00000		19349	LA R15,0(,R15) CLEAR HI-ORDER FLAG BYTE	K3176500
004FD2	1FF1			19350	SLR R15,R1 COMPUTE SIZE OF OPERAND	K3177000
004FD4	4BF0 83DC	0532C		19351	SH R15,=H'4' COMPUTE MACHINE SIZE	K3177500
004FD8	4740 8070	04FC0		19352	BM COJINVOO NO STRING IF NEGATIVE--ERROR	K3178000
004FDC	49F0 8096	04FE6		19353	CH R15,*+10 CHECK FOR MAX SIZE	K3178500
004FE0	47D0 8098	04FE8		19354	BNH *+8 LESS THAN OR EQ -- OK	K3179000
004FE4	41F0 0007	00007		19355	LA R15,7 ELSE USE MAX OF 8 CHARACTERS	K3179500
004FE8	58E0 83B8	05308		19356	L R14,=A(CVALIDTB) POINT TO TEST TABLE R4	K3180000
004FEC	44F0 80BA	0500A		19357	EX R15,COJVALID TEST FOR ALL VALID CLASSES	K3180500
004FF0	4770 8070	04FC0		19358	BNZ COJINVOO INVALID OPERAND IF INVALID CLASSES	K3181000
004FF4	9240 D17E	0017E		19359	MVI COJSVCLS,C' ' BLANK CLASS SAVE AREA	K3181500
004FF8	D206 D17F D17E	0017F 0017E		19360	MVC COJSVCLS+1(L'COJSVCLS-1),COJSVCLS DITTO	K3182000
004FFE	44F0 80C0	05010		19361	EX R15,COJMVCLS ELSE MOVE CLASS STRING	K3182500
005002	9608 D1D8	001D8		19362	OI COMNULOP,COJQOP AND FLAG CLASS STRING EXISTS	K3183000
005006	47F0 803C	04F8C		19363	B COJLOOP LOOP THROUGH ALL OPERANDS	K3183500
00500A	DD00 1002 E000	00002 00000		19364	COJVALID TRT 2(*-*,R1),0(R14) *** EXECUTE ONLY *** R4	K3184000
005010	D200 D17E 1002	0017E 00002		19365	COJMVCLS MVC COJSVCLS(*-*),2(R1) **** EXECUTE ONLY ****	K3184500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005016				19367	COJCANCL DS	0H	COME HERE FOR CANCEL OPTION K3185500
005016	9610 D1D8	001D8		19368	OI	COMNULOP,COJCNCL	INDICATE HELD DATA SET CANCEL R41 K3186000
00501A	47F0 803C	04F8C		19369	B	COJLOOP	LOOP FOR MORE OPERANDS K3186500
00501E				19370	COJRMT DS	0H	R4 K3187000
00501E	1835			19371	LR	WB,WD	SAVE NORMAL SCAN REGISTER R4 K3187500
005020	1854			19372	LR	WD,WC	PUT OPERAND POINTER BACK R4 K3188000
005022	45E0 C978	00978		19373	BAL	LINK,COFRTRA	CONVERT RANGES R4 K3188500
005026	47F0 8072	04FC2		19374	B	COJINVOA	ERROR EXIT + 0 R4 K3189000
00502A	1910			19375	CR	R1,R0	SAME ROUTE + 4 R4 K3189500
00502C	4770 8072	04FC2		19376	BNE	COJINVOA	ERROR EXIT R4 K3190000
005030	1853			19377	LR	WD,WB	RESTORE SCAN REGISTER R4 K3190500
005032	1831			19378	LR	WB,R1	SET ROUTE CODE R4 K3191000
005034	9620 D1D8	001D8		19379	OI	COMNULOP,COJRTE	SET ROUTE FLAG R4 K3191500
005038	47F0 803C	04F8C		19380	B	COJLOOP	LOOP FOR MORE R4 K3192000
00503C	5820 4004	00004		19382	COJDATE L	WA,4(,WC)	GET POINTER TO NEXT OPERAND R41 K3192200
005040	4120 2000	00000		19383	LA	WA,0(,WA)	CLEAR HIGH-ORDER BYTE R41 K3192300
005044	1F21			19384	SLR	WA,R1	ENSURE R41 K3192400
005046	4B20 83DE	0532E		19385	SH	WA,=H'3'	AT LEAST 1 R41 K3192500
00504A	47D0 8070	04FC0		19386	BNP	COJINVOO	AND NOT R41 K3192600
00504E	4920 83E0	05330		19387	CH	WA,=H'5'	MORE THAN R41 K3192700
005052	4720 8070	04FC0		19388	BH	COJINVOO	5 DIGITS R41 K3192800
005056	1802			19389	LR	R0,WA	RELOAD VALUE LENGTH R41 K3192900
005058	18E1			19390	LR	LINK,R1	AND OPERAND POINTER R41 K3193000
00505A	41E0 E001	00001		19392	COJDATVL LA	LINK,1(,LINK)	ENSURE R41 K3193200
00505E	95F0 E001	00001		19393	CLI	1(LINK),C'0'	OPERAND R41 K3193300
005062	4740 8070	04FC0		19394	BL	COJINVOO	VALUE R41 K3193400
005066	95F9 E001	00001		19395	CLI	1(LINK),C'9'	IS R41 K3193500
00506A	4720 8070	04FC0		19396	BH	COJINVOO	STRICTLY R41 K3193600
00506E	4600 810A	0505A		19397	BCT	R0,COJDATVL	NUMERIC R41 K3193700
005072	0620			19399	BCTR	WA,0	REDUCE FOR EXECUTE R41 K3193900
005074	4420 8194	050E4		19400	EX	WA,COJDATPK	CONVERT VALUE TO PACKED DECIMAL R41 K3194000
005078	4920 83E2	05332		19401	CH	WA,=H'1'	TEST FORM OF VALUE R41 K3194100
00507C	4720 8182	050D2		19402	BH	COJYYDDD	BR IF NOT NN (DAYS) R41 K3194200
				19403		\$TIME ,	GET CURRENT DATE IN R1 R41 K3194300
				19404+*	/*	MACDATE Y-1 72277	*/ 02050002
				19405+*	/*		02100002
005080	4110 0001	00001		19406+	LA	1,1(0,0)	LOAD 1 TO SPECIFY UNIT 22000002
005084	0A0B			19407+	SVC	11	ISSUE TIME SVC 35000002
005086	1F00			19408	SLR	R0,R0	CLEAR R0 R41 K3194400
005088	9001 D090	00090		19409	STM	R0,R1,COMDWORK	STORE PACKED DECIMAL DATE R41 K3194500
00508C	4F10 D018	00018		19410	CVB	R1,PCER1	CONVERT DAYS TO BINARY R41 K3194600
005090	4F00 D090	00090		19411	CVB	R0,COMDWORK	CONVERT DATE TO BINARY R41 K3194700
005094	D501 D01E D096	0001E 00096		19412	CLC	PCER1+6(2),COMDWORK+6	CUT-OFF DATE LAST YEAR... R41 K3194800
00509A	4740 8168	050B8		19413	BL	COJYYOK	BR IF NO R41 K3194900
00509E	4110 127B	0027B		19414	LA	R1,1000-365(,R1)	IGNORE DAYS 366 - 999 R41 K3195000
0050A2	F120 D095 D095	00095 00095		19415	MVO	COMDWORK+5(3),COMDWORK+5(1)	ISOLATE CURRENT YEAR R41 K3195100
0050A8	4FE0 D090	00090		19416	CVB	LINK,COMDWORK	CONVERT YEAR TO BINARY R41 K3195200
0050AC	06E0			19417	BCTR	LINK,0	BACK UP 1 YEAR R41 K3195300
0050AE	54E0 83BC	0530C		19418	N	LINK,=F'3'	TEST FOR LEAP YEAR R41 K3195400
0050B2	4770 8168	050B8		19419	BNZ	COJYYOK	BR IF NO R41 K3195500
0050B6	0610			19420	BCTR	R1,0	ACKNOWLEDGE DAY 366 R41 K3195600
0050B8	1B01			19422	COJYYOK SR	R0,R1	GET CUT-OFF DATE R41 K3195800

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0050BA	47B0 8170	050C0		19423	BNM *+6	BR IF THIS CENTURY R41 K3195900
0050BE	1F00			19424	SLR R0,R0	CUT-OFF AT TURN OF CENTURY R41 K3196000
0050C0	4E00 D018	00018		19425	CVD R0,PCER1	CONVERT RESULT TO PACKED DECIMAL R41 K3196100
0050C4	D203 D1DC D01C	001DC 0001C		19426	MVC COJSVCRD,PCER1+4	STORE CUT-OFF DATE R41 K3196200
0050CA	960F D1DF	001DF		19427	OI COJSVCRD+3,X'0F'	MAKE 'PRINTABLE' R41 K3196300
0050CE	47F0 803C	04F8C		19428	B COJLOOP	BR TO TEST FOR MORE OPERANDS R41 K3196400

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0050D2	4920 83DC	0532C		19430	COJYYDDD	CH WA,=H'4'	TEST FOR YYDDD R41 K3196600
0050D6	4770 8070	04FC0		19431		BNE COJINVOO	INVALID IF NO R41 K3196700
0050DA	D203 D1DC D01C	001DC	0001C	19432		MVC COJSVCRD,PCER1+4	STORE CUT-OFF DATE R41 K3196800
0050E0	47F0 803C	04F8C		19433		B COJLOOP	BR TO TEST FOR MORE OPERANDS R41 K3196900
0050E4	F270 D018 1002	00018	00002	19435	COJDATPK	PACK PCER1(8),2(*-*,R1)	*** EXECUTE ONLY *** R41 K3197100
0050EA				19437	COJOPEND	DS 0H	COME HERE AFTER ALL OPERANDS K3197300
0050EA	4840 5000	00000		19438		LH WC,0(,WD)	GET RANGE OF K3197400
0050EE	4860 5002	00002		19439	COJLP	LH WE,2(,WD)	JOBS TO ACT UPON K3197500
0050F2	1FAA			19440		SLR R10,R10	CLEAR HIT REGISTER K3197600
				19441		\$CFJSCAN PROCESS=COJJOB,NEXT=COJNXJOB	LOOK FOR JOBS K3197700
				19442+		*****	K1045000
				19443+		SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				19444+		*****	K1046000
0050F4	41F0 005E	0005E		19445+		LA R15,\$JQTYPES*2	NO. OF JOB QUEUES (TIMES 2) @OZ29819 K1048600
0050F8	40F0 D08A	0008A		19446+	CJS0717A	STH R15,COMJQHDS	SAVE JOB QUEUE HEADER INDEX R4 K1049500
0050FC	411F B54E	0054E		19447+		LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1050000
005100	4810 1006	00006		19448+	COJNXJOB	LH R1,JQECHAIN	GET OFFSET OF NEXT JOE R4 K1055500
005104	5410 83C0	05310		19449+		N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
005108	4780 81C8	05118		19450+		BZ CJS0717C	BR IF END OF QUEUE R4 K1056500
00510C	8910 0002	00002		19451+		SLL R1,2	GET TRUE R4 K1057000
005110	5E10 B1C0	001C0		19452+		AL R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
005114	47F0 8208	05158		19453+		B COJJOB	AND ENTER PROCESS ROUTINE R4 K1058000
005118	48F0 D08A	0008A		19454+	CJS0717C	LH R15,COMJQHDS	GET CURRENT JOB QUEUE HDR INDEX R4 K1059000
00511C	06F0			19455+		BCTR R15,0	REDUCE OFFSET BY 1 R4 K1059500
00511E	46F0 81A8	050F8		19456+		BCT R15,CJS0717A	BR IF ANOTHER JOB QUEUE R4 K1061500
005122	121A			19457		LTR R1,R10	LOOK FOR ANY JOBS IN RANGE K3197800
005124	4780 81EE	0513E		19458		BZ COJNOJOB	NO--ISSUE DIAGNOSTIC K3197900
005128	1846			19459		LR WC,WE	YES--SET NEW FIRST NBR K3198000
00512A				19460	COJOWNER	DS 0H	CHECK OWNERSHIP OF JOB K3198100
				19461		\$CFVQE OK=COJOBOK	IS CONSOLE SUBMITTER THE OWNER K3198200
00512A				19462+		DS 0H	K1117000
00512A	45E0 CA62	00A62		19463+		BAL LINK,COFVQE	VERIFY JOB'S OWNERSHIP K1118000
00512E	4780 8224	05174		19464+		BE COJOBOK	OWNERSHIP VERIFIED -- 'OK' K1136500
005132	4140 4001	00001		19465	COJUPONE	LA WC,1(,WC)	NOT OWNED--GET NEXT K3198300
005136	4940 5002	00002		19466		CH WC,2(,WD)	CHECK FOR LAST TO HANDLE K3198400
00513A	47D0 819E	050EE		19467		BNH COJLP	NO--LOOK FOR NEXT JOB K3198500
00513E	9180 D1D8	001D8		19468	COJNOJOB	TM COMNULOP,COJJOBS	TEST FOR ANY JOBS FOUND K3199000
005142	4710 837A	052CA		19469		BO COJRET	YES--RETURN WITHOUT DIAGNOSTIC K3199500
				19470		\$CRET MSG='JOB(S) NOT FOUND'	K3200000
005146				19471+		DS 0H	Z0006000
005146	D20F D0B6 83A8	000B6	052F8	19472+		MVC COMMAND(16),=C'JOB(S) NOT FOUND'	K0131000
00514C	4100 0010	00010		19473+		LA R0,16	SET LENGTH OF MSG IN R0 K0131500
005150	41F0 0008	00008		19474+		LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
005154	47F0 C1AC	001AC		19475+		B CORET	RETURN K0137500
005158				19476	COJJOB	DS 0H	JOB FOUND K3200500
005158	4800 1002	00002		19477		LH R0,JQEJOBNO	LOAD JOB NUMBER K3201000
00515C	1504			19478		CLR R0,WC	CHECK VS. DESIRED JOB K3201500
00515E	4780 81DA	0512A		19479		BE COJOWNER	YES--CHECK OWNERSHIP K3202000
005162	4740 81B0	05100		19480		BL COJNXJOB	OUT OF RANGE--GET NEXT K3202500
005166	1506			19481		CLR R0,WE	CHECK JOB WITH LAST IN RANGE K3203000
005168	4720 81B0	05100		19482		BH COJNXJOB	HIGH--NEXT JOB K3203500
00516C	18A1			19483		LR R10,R1	COPY JOE ADDRESS FOR LATER TEST K3204000
00516E	1860			19484		LR WE,R0	COPY JOB NBR FOR LATER USE K3204500
005170	47F0 81B0	05100		19485		B COJNXJOB	AND GET ANOTHER JOB K3205000

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005174				19486	COJOBOK	DS 0H	COME HERE WHEN JOB FOUND K3205500
005174	9680 D1D8	001D8		19487		OI COMNULOP,COJJOBS	FLAG JOB FOUND K3206000
005178	9240 D0B6	000B6		19488		MVI COMMAND,C'	CLEAR MSG AREA K3206500
00517C	D2C6 D0B7 D0B6	000B7	000B6	19489		MVC COMMAND+1(L'COMMAND-1),COMMAND	DITTO K3207000
005182	94FE D0B5	000B5		19490		NI COMMID+1,X'FE'	TELL HASPCON JOB ID IS SET K3207500
005186	1804			19491		LR R0,WC	PREPARE TO CONVERT JOB NBR K3208000
005188	D202 D0B6 83E4	000B6	05334	19492		MVC COFJOB,=C'JOB'	ASSUME BATCH JOB K3208500
00518E	4900 83DA	0532A		19493		CH R0,=H'10000'	TEST FOR SAME K3209000
005192	4740 825E	051AE		19494		BL COJMSGC	COMPLETE MSG IF JOB K3209500
005196	D202 D0B6 83E7	000B6	05337	19495		MVC COFJOB,=C'TSU'	ASSUME TIME SHARING USER K3210000
00519C	4B00 83D8	05328		19496		SH R0,=H'20000'	TEST FOR TSU K3210500
0051A0	47B0 825E	051AE		19497		BNM COJMSGC	YES--COMPLETE MESSAGE K3211000
0051A4	4A00 83DA	0532A		19498		AH R0,=H'10000'	MUST BE SYSTEM CONTROL TASK K3211500
0051A8	D202 D0B6 83EA	000B6	0533A	19499		MVC COFJOB,=C'STC'	ADJUST ID AND NUMBER FOR STC K3212000
0051AE				19500	COJMSGC	DS 0H	COMPLETE MESSAGE PREFIX K3212500
				19501		\$CFVCVE VALUE=(R0)	CONVERT JOB NUMBER TO EBCDIC K3213000
0051AE	45E0 C4BA	004BA		19502+		BAL LINK,COFCVE	CONVERT TO EBCDIC K0233000
0051B2	D204 D0B9 D090	000B9	00090	19503		MVC COFJNO,COMDWORK	AND PUT SAME IN MSG K3213500
0051B8	D207 D0BF 1014	000BF	00014	19504		MVC COFJNAME,JQEJNAME	FINALLY INSERT TASK NAME K3214000
				19505		*****	K3214500
				19506		*	* K3215000
				19507		GET PSO ELEMENT AND QUEUE IT FOR \$O REQUEST	* K3215500
				19508		*	* K3216000
				19509		*****	K3216500
0051BE	4870 1012	00012		19511		LH WF,JQEHLDT	PICK-UP HOLD DATA SET COUNT K3217500
0051C2	1277			19512		LTR WF,WF	TEST FOR ANY K3218000
0051C4	4780 835E	052AE		19513		BZ COJNOHLD	NO--ISSUE DIAGNOSTIC K3218500
0051C8	5010 D08C	0008C		19514		ST R1,COMWORK	SAVE JQE ADDRESS K3219000
				19515		GETMAIN RC,LV=PSOLNGTH,SP=0	GET STORAGE FOR PSO ELEMENT K3219500
0051CC				19516+		CNOP 0,4	
0051CC	47F0 8288	051D8		19517+		B *+12-4*0-2*0	BRANCH AROUND DATA
0051D0	00000128			19518+		DC A(PSOLNGTH)	LENGTH
0051D4	00			19519+IHB0729F		DC AL1(0)	RESERVED
0051D5	00			19520+		DC AL1(0)	RESERVED
0051D6	00			19521+		DC AL1(0)	SUBPOOL
0051D7	00			19522+		DC BL1'00000000'	MODE BYTE *MVS380*
0051D8	5800 8280	051D0		19523+		L 0,*-8+2*0	LOAD LENGTH
0051DC	58F0 8284	051D4		19524+		L 15,IHB0729F	LOAD GETMAIN PARMS
0051E0	1B11			19525+		SR 1,1	ZERO RESERVED REG 1
0051E2	0A78			19526+		SVC 120	ISSUE GETMAIN SVC
0051E4	1871			19528		LR WF,R1	PICK-UP STORAGE ADDRESS K3220500
0051E6	12FF			19529		LTR R15,R15	CHECK FOR STORAGE AVAILABLE K3221000
0051E8	4770 836C	052BC		19530		BNZ COJNOSTR	NONE--ISSUE DIAGNOSTIC K3221500
			00000	19531		USING PSODSECT,WF	PSO ADDRSSABILITY K3222000
0051EC	1801			19532		LR R0,R1	CLEAR R4 K3222500
0051EE	4110 0128	00128		19533		LA R1,PSOLNGTH	PSO R4 K3223000
0051F2	0E0E			19534		MVCL R0,R14	STORAGE R4 K3223500
0051F4	5810 D08C	0008C		19535		L R1,COMWORK	POINT TO JQE R4 K3224000
0051F8	9698 7074	00074		19536		OI PSOFLG1,PSOFHLD+PSOFJOBI+PSOFJOB	SET PSO FLAGS K3224500
0051FC	D203 7004 D1DC	00004	001DC	19537		MVC PSOCRDT,COJSVCRD	SET CUT-OFF DATE IN ELEMENT R41 K3224600
005202	9108 D1D8	001D8		19538		TM COMNULOP,COJQOP	TEST FOR CLASS STRING K3225000
005206	4780 82C4	05214		19539		BZ *+14	NO--SKIP SETTING SUCH K3225500
00520A	9640 7074	00074		19540		OI PSOFLG1,PSOFCLAS	SET CLASS STRING PROVIDED K3226000
00520E	D207 70D4 D17E	000D4	0017E	19541		MVC PSOCLAS,COJSVCLS	SET CLASSES IN ELEMENT K3226500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005214	9681	7075			00075	19542	OI PSOFLG2,PSOFDONE+PSOF\$O SET PSO FLAGS	K3227000
005218	D207	7078	1014		00078	00014	19543 MVC PSOJOBNO,JQEJNAME SET JOB NAME IN ELEMENT	K3227500
00521E	D201	7120	1002		00120	00002	19544 MVC PSOJOBNO,JQEJOBNO SET JOB NUMBER IN ELEMENT	K3228000
005224	9110	D1D8			001D8		19545 TM COMNULOP,COJCNCL TEST FOR CANCEL DATA SETS	K3228500
005228	4780	82E4			05234		19546 BZ *+12 NO--SET RELEASE	K3229000
00522C	9640	7072			00072		19547 OI PSOUFLG,PSOFDELC SET CANCEL DATA SETS	K3229500
005230	47F0	82F8			05248		19548 B COJQUEUE GO QUEUE PSO ELEMENT	K3230000
005234	9608	7072			00072		19549 OI PSOUFLG,PSOFRLSE SET TO RELEASE DATA SETS	K3230500
005238	9120	D1D8			001D8		19550 TM COMNULOP,COJRTE TEST FOR RE-ROUTONG DESIRED	K3231000
00523C	4780	82F8			05248		19551 BZ *+12 NO--SKIP SETTING NEW ROUTE CODE	K3231500
005240	4030	7122			00122		19552 STH WB,PSOROUTE SET NEW ROUTE CODE	K3232000
005244	9620	7072			00072		19553 OI PSOUFLG,PSOFROUT AND FLAG AS SUCH	K3232500
005248						19554	COJQUEUE DS 0H ADD ELEMENT TO QUEUE	K3233000
005248	18F7					19555	LR R15,WF SAVE ADDRESS OF ELEMENT	K3233500
00524A	4170	B228			00228		19556 LA WF,\$OQUEUE-(PSONEXT-PSODSECT) POINT TO ELEMENT	K3234000
00524E	58E0	7000			00000		19557 L R14,PSONEXT PT TO NEXT ELEMENT	K3234500
005252	12EE					19558	LTR R14,R14 TEST FOR LAST ELEMENT	K3235000
005254	4780	830E			0525E		19559 BZ *+10 YES--SET NEW LST ELEMENT	K3235500
005258	187E					19560	LR WF,R14 ELSE PT TO NEXT ELEMENT	K3236000
00525A	47F0	82FE			0524E		19561 B *-12 AND LOOP TILL LAST ELEMENT	K3236500
00525E	50F0	7000			00000		19562 ST R15,PSONEXT ADD NEW ELEMENT	K3237000
						19563	DROP WF DROP PSO ADDRESSABILITY	K3237500
005262	9640	D1D8			001D8		19564 OI COMNULOP,COJPSOMD FLAG REQUEST HONORED	K3238000
005266	D214	D0C8	83ED		000C8	0533D	19565 MVC COFQUE(21),=C'DATA SETS RELEASED TO' R4	K3238500
00526C	4100	0024			00024		19566 LA R0,COFQUE+18-COFJOB SET LENGTH FOR NO RE-ROUTING	K3239000
005270	9110	D1D8			001D8		19567 TM COMNULOP,COJCNCL TEST FOR DATA SETS CANCELLED	K3239500
005274	4780	8336			05286		19568 BZ COJRNCL NO--TRY FOR RE-ROUTING	K3240000
005278	D208	D0D2	8402		000D2	05352	19569 MVC COFQUE+10(9),=C'CANCELLED' YES--INDICATE SUCH	K3240500
00527E	4100	0025			00025		19570 LA R0,COFQUE+19-COFJOB SET MESSAGE LENGTH	K3241000
005282	47F0	8352			052A2		19571 B COJRES AND RESPOND TO OPERATOR	K3241500
005286						19572	COJRNCL DS 0H REQUEST IS NOT TO CANCEL	K3242000
005286	9120	D1D8			001D8		19573 TM COMNULOP,COJRTE TEST FOR RE-ROUTING	K3242500
00528A	4780	8352			052A2		19574 BZ COJRES IF NO RE-ROUTING--RESPOND	K3243000
00528E	41F0	D0A8			000A8		19575 LA R15,COMFWORK POINT TO ROUTE CODE FIELD R4	K3243500
005292	4030	D0A8			000A8		19576 STH WB,COMFWORK SET ROUTE CODE IN IT R4	K3244000
005296	4100	D0DD			000DD		19577 LA R0,COFQUE+21 POINT TO TEXT AREA R4	K3244500
00529A	45E0	C8EA			008EA		19578 BAL LINK,COFRTC CONVERT TO PRINTABLE R4	K3245000
00529E	4100	0030			00030		19579 LA R0,COFQUE+21+9-COFJOB SET MESSAGE LENGTH R4	K3245500
0052A2						19580	COJRES DS 0H RESPOND TO THE OPERATOR	K3246000
						19581	\$CWTO L=(R0)	K3246500
0052A2						19582+	DS 0H	Z0006000
0052A2	4520	C07A			0007A		19583+ BAL WA,CWTO REPLY TO OPERATOR	K0161500
0052A6	47F0	81E2			05132		19584 B COJUPONE AND GET NEXT JOB	K3247000
0052AA	47F0	81E2			05132		19585 B COJUPONE GET NEXT JOB	K3247500
						19587 *	MESSAGE WHEN JOB HAS NO HELD DATA SETS	K3248500
0052AE						19589	COJNOHLD DS 0H SEND NO HELD DS DIAG	K3249500
0052AE	D210	D0C8	840B		000C8	0535B	19590 MVC COFQUE(17),=C'NO HELD DATA SETS' FORMAT MESSAGE	K3250000
0052B4	4100	0023			00023		19591 LA R0,COFQUE+17-COFJOB SET MESSAGE LENGTH	K3250500
0052B8	47F0	8352			052A2		19592 B COJRES RESPOND TO OPERATOR	K3251000
						19594 *	MESSAGE NO STORAGE AVAILABLE FOR PSO ELEMENNT	K3252000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0052BC				19596	COJNOSTR	DS 0H NO STORAGE AVAILABLE	K3253000
0052BC	D213 D0C8 83C4	000C8	05314	19597		MVC COMMAND+18(20),=C'NO STORAGE AVAILABLE' SEND @OZ46407	K3253500
				19598		\$CWTO L=18+20 DIAG MSG @OZ46407	K3254000
0052C2				19599+		DS 0H	Z0006000
0052C2	4100 0026	00026		19600+		LA R0,18+20	K0154000
0052C6	4520 C07A	0007A		19601+		BAL WA,CWTO REPLY TO OPERATOR	K0161500
0052CA				19603	COJRET	DS 0H EXIT \$O COMMAND	K3255500
0052CA	9140 D1D8	001D8		19604		TM COMNULOP,COJPSOMD TEST FOR ANY PSO ELEMENTS QUEUED	K3256000
0052CE	4780 839E	052EE		19605		BZ COJEXIT NO--EXIT COMMAND	K3256500
0052D2	58F0 B46C	0046C		19606		L R15,\$PSOPCE POINT TO PSO PCE R4	K3257000
				19607		\$POST (R15),WORK POST PSO FOR \$O WORK	K3257500
0052D6	94EF F050	00050		19608+		NI PCEEFW-PCEDSECT(R15),255-\$EWFWORK RESET INHIBITS	FX074000
0052DA	4770 839E	052EE		19609+		BNZ *+20 SKIP QUEUEING IF INHIBITED	FX076000
0052DE	90E3 B388	00388		19610+		STM LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
0052E2	411F 0000	00000		19611+		LA R1,0(R15) POINT TO PCE	FX086000
0052E6	45E0 B01C	0001C		19612+		BAL LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
0052EA	98E3 B388	00388		19613+		LM LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000
0052EE				19614	COJEXIT	DS 0H EXIT	K3258000
				19615		\$CRET , EXIT \$OJ COMMAMD	K3258500
0052EE				19616+		DS 0H	Z0006000
0052EE	41F0 0000	00000		19617+		LA R15,CORTNORM NORMAL RETURN	K0137000
0052F2	47F0 C1AC	001AC		19618+		B CORET RETURN	K0137500
				19619		*****	K3259000
				19620		*	* K3259500
				19621		* \$O COMMAND EQUATES	* K3260000
				19622		*	* K3260500
				19623		*****	K3261000
		00080		19624	COJJOBS	EQU X'80' FLAG FOR JOBS FOUND	K3261500
		00040		19625	COJPSOMD	EQU X'40' FLAG FOR PSO ELEMENT ADDED	K3262000
		00020		19626	COJRTE	EQU X'20' FLAG FOR RE-ROUTING	K3262500
		00010		19627	COJCNCL	EQU X'10' FLAG FOR CANCELLING	K3263000
		00008		19628	COJQOP	EQU X'08' FLAG FOR CLASS STRING EXISTS	K3263500
		0017E		19629	COJSVCLS	EQU COMJNAME,8 AREA FOR SAVING CLASSES	K3264000
		001DC		19630	COJSVCRD	EQU COMREGSV,4 AREA FOR SAVING CUT-OFF DATE R41	K3264100
0052F8				19632		LTORG ,	K3265000
0052F8	D1D6C24DE25D40D5			19633		=C'JOB(S) NOT FOUND'	
005308	00001A48			19634		=A(CVALIDTB)	
00530C	00000003			19635		=F'3'	
005310	0000FFFF			19636		=A(X'0000FFFF')	
005314	D5D640E2E3D6D9C1			19637		=C'NO STORAGE AVAILABLE'	
005328	4E20			19638		=H'20000'	
00532A	2710			19639		=H'10000'	
00532C	0004			19640		=H'4'	
00532E	0003			19641		=H'3'	
005330	0005			19642		=H'5'	
005332	0001			19643		=H'1'	
005334	D1D6C2			19644		=C'JOB'	
005337	E3E2E4			19645		=C'TSU'	
00533A	E2E3C3			19646		=C'STC'	
00533D	C4C1E3C140E2C5E3			19647		=C'DATA SETS RELEASED TO'	
005352	C3C1D5C3C5D3D3C5			19648		=C'CANCELLED'	
00535B	D5D640C8C5D3C440			19649		=C'NO HELD DATA SETS'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19651	HASPCDV1 \$COMGRUP B,C,E,F,I,N,P,S,T,Z,DELAY=YES	K3266000
00536C				19652+	HASPCDV1 DS 0H	K0088500
			0536C	19653+	USING *,BASE3 ADDRESSABILITY	K0089000
00536C				19654+	COF0738 DS 0H 'BR R1' TO ENTER SUB-PROCESSOR	K0093000
				19655	*****	K3266500
				19656	*	* K3267000
				19657	* DEVICE LISTS ARE OF THE FOLLOWING FORM	* K3267500
				19658	*	* K3268000
				19659	* \$V DEV1,DEV2,...,DEVN	* K3268500
				19660	* \$V = HASP COMMAND VERB	* K3269000
				19661	* DEVX = DEVICE DESIRED PRT1,PUN1,RM2.PR1,ETC	* K3269500
				19662	*	* K3270000
				19663	*****	K3270500
00536C	4140 D188	00188		19664	LA WC,COMPNTER POINT TO FIRST OPERAND POINTER	K3271000
005370	9200 4000	00000		19665	MVI 0(WC),0 INSURE BYTE ZERO	K3271500
005374	8746 8004	05370		19666	BXLE WC,WE,*-4 LOOP	K3272000
005378	1841			19667	LR WC,R1 SAVE SUB-COMMAND OFFSET	K3272500
				19668	CBXDCTL \$CFDCTL POINTER=(WD) FIND THE DCT	K3273000
00537A	1815			19669+	CBXDCTL LR R1,WD	CJ018000
00537C	45E0 C4CC	004CC		19670+	BAL LINK,COFDCTL LOCATE DCT	K0524000
			00000	19671	USING DCTDSECT,R1	K3273500
005380	1211			19672	LTR R1,R1 WAS DCT LOCATED	K3274000
005382	4740 80A8	05414		19673	BM CBXRAT IF NEGATIVE R1 POINTS TO -RAT	K3274500
005386	4780 8052	053BE		19674	BZ CBXINVO IF NOT, INVALID OPERAND	K3275000
00538A	9108 D07F	0007F		19675	TM COMAUTH,CMBFLAGR CONSOLE REMOTE OWNERSHIP RESTRICTED	K3275500
00538E	0784			19676	BZR WC IF NOT, ENTER SUB-PROCESSOR	K3276000
005390	9102 1011	00011		19677	TM DCTDEVTP,DCTRJE MAKE SURE REMOTE CATEGORY	K3276500
005394	4780 8052	053BE		19678	BZ CBXINVO ERROR IF NOT	K3277000
005398	9502 1011	00011		19679	CLI DCTDEVTP,DCTLNE IS THIS A LINE DCT... R41	K3277100
00539C	4780 8052	053BE		19680	BE CBXINVO BR IF YES (INVALID OPERAND) R41	K3277200
0053A0	4800 D088	00088		19681	LH R0,COMJROUT PICK UP JOB ROUTING OF CONSOLE R4	K3277500
0053A4	1FFF			19682	SLR R15,R15 GET REMOTE R4	K3280000
0053A6	43F0 D089	00089		19683	IC R15,COMJRMT NUMBER LESS 1 R4	K3280500
0053AA	06F0			19684	BCTR R15,0 FOR INDEX R4	K3281000
0053AC	4CF0 8EC0	0622C		19685	MH R15,=Y(RATTLE) FIND DESIRED R4	K3281500
0053B0	5EF0 B1F0	001F0		19686	AL R15,\$RATABLE RAT ELEMENT R4	K3282000
0053B4	4800 F010	00010		19687	LH R0,RATROUTE-RATDSECT(,R15) GET RAT ROUTE CODE	K3282500
0053B8	4900 1012	00012		19688	CBXCKRT CH R0,DCTNO DEVICE ROUTE MATCH R4	K3283000
0053BC	0784			19689	BER WC IF OWNER ENTER SUB-PROCESSOR	K3283500
0053BE	5810 5000	00000		19690	CBXINVO L R1,0(0,WD) PICK UP OPERAND	K3284000
0053C2	D207 D17E B3F0	0017E 003F0		19691	MVC COMJNAME,\$BLANKS INSURE FIELD AFTER BLANK @OZ40627	K3284500
0053C8	D208 D0B6 1000	000B6 00000		19692	MVC COMMAND(9),0(R1) MOVE TEXT R4	K3285000
0053CE	D20F D0BF 8E84	000BF 061F0		19693	MVC COMMAND+9(16),=C' INVALID OPERAND' R4	K3285500
0053D4	4100 0019	00019		19694	LA R0,25 SET LENGTH	K3286000
				19695	CBXTRUNC \$CWTO L=(R0),TRUNC=YES TRUNCATE MLWTO	K3286500
0053D8				19696+	CBXTRUNC DS 0H	Z0006000
0053D8	4520 C09A	0009A		19697+	BAL WA,CWTOT REPLY TO OPERATOR	K0161500
0053DC	4150 D188	00188		19698	LA WD,COMPNTER POINT BACK TO FIRST OP POINTER	K3287000
0053E0	9500 5000	00000		19699	CBXTRUNL CLI 0(WD),0 POINTER STILL OPERAND	K3287500
0053E4	4780 809C	05408		19700	BE CBXTRUNN TRY NEXT	K3288000
0053E8	BF17 5001	00001		19701	ICM R1,7,1(WD) PICK UP DCT ADDRESS	K3288500
0053EC	9104 1000	00000		19702	TM DCTSTAT,DCTCIP IS CMD-IN-PROGRESS ON... @OZ56835	K3288600
0053F0	4780 8090	053FC		19703	BZ CBXTRUNI BR IF NO @OZ56835	K3288700
0053F4	94FB 1000	00000		19704	NI DCTSTAT,FF-DCTCIP TURN OFF CMD-IN-PROGRESS @OZ56835	K3288800
				19705	\$POST \$HASPECF,(JOB,JOT) POST JOB AND JOT @OZ56835	K3288900
				19706+*	THIS CARD DELETED BY APAR @OZ27300	FX120000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0053F8	945F B4B1	004B1		19707+	NI	\$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT RESET EVENTS	FX152000
0053FC	9180 1000	00000		19708	CBXTRUNI TM	DCTSTAT,DCTINUSE TEST DRAINED @OZ56835	K3289000
005400	4710 809C	05408		19709	BO	CBXTRUNN SKIP FREE UNIT	K3289500
				19710		PRINT OFF SECTION DELETED BY APAR @OZ65116	K3289550
				19715		PRINT ON SECTION DELETED BY APAR @OZ65116	K3289800
				19716	CBXFREU \$FREUNIT (R1)	FREE UNIT @OZ61672	K3290000
005404				19717+	CBXFREU DS	0H Z0006000	
005404	45E0 B02C	0002C		19718+	BAL	LINK,\$FREUNIT ENTER CONTROL SERVICE ROUTINE R4	DD010000
005408	8756 8074	053E0		19719	CBXTRUNN BXLE	WD,WE,CBXTRUNL LOOP	K3290500
00540C				19720	CBXTRUND DS	0H EXIT DEVICE COMMANDS	K3291000
				19721		\$CRET , EXIT	K3291500
00540C				19722+	DS	0H Z0006000	
00540C	41F0 0000	00000		19723+	LA	R15,CORTNORM NORMAL RETURN	K0137000
005410	47F0 C1AC	001AC		19724+	B	CORET RETURN	K0137500
005414				19726	CBXRAT DS	0H R41 K3291700	
005414	1321			19727	LCR	WA,R1 RECOMPLEMENT RAT ADDRESS	R41 K3291800
005416	9108 D07F	0007F		19728	TM	COMAUTH,CMBFLAGR TEST FOR RMT CONSOLE RESTRICTED	R41 K3291900
00541A	4780 80BC	05428		19729	BZ	CBXRATD BR IF NO, GO PROCCES COMMAND	R41 K3292000
00541E	D501 D088	201A 00088	0001A	19730	CLC	COMJROUT,RATCONRT-RATDSECT(WA) TEST CMD ORIGIN	R41 K3292100
005424	4770 8052	053BE		19731	BNE	CBXINVO BR IF NOT THE SAME RMT, INVALID	R41 K3292200
005428	95E2 D0B7	000B7		19732	CBXRATD CLI	COMVERB,C'S' TEST COMMAND VERB	R41 K3292300
00542C	4780 84E8	05854		19733	BE	CSXRTER \$\$ -- ENTER SUBPROCESSOR	R41 K3292400
005430	95D7 D0B7	000B7		19734	CLI	COMVERB,C'P' TEST COMMAND VERB	R41 K3292500
005434	4780 83DA	05746		19735	BE	CPXRMT \$P -- ENTER SUBPROCESSOR	R41 K3292600
005438	95E3 D0B7	000B7		19736	CLI	COMVERB,C'T' TEST COMMAND VERB	R41 K3292700
00543C	4770 8052	053BE		19737	BNE	CBXINVO NOT \$T -- INVALID VERB	R41 K3292800
005440	D502 D094	8EE0 00094	0624C	19738	CLC	COMDWORK+4(3),=C'CON' IS THIS \$\RN.CON COMMAND	R41 K3292900
005446	4770 8ABE	05E2A		19739	BNE	CTXRMT NO, MUST BE \$TRMTX COMMAND	R41 K3293000
00544A	5810 8E94	06200		19740	L	R1,=A(CTOR) POINT TO REMOTE CONSOLE SETTING	K3293500
00544E	5880 8E98	06204		19741	L	BASE3,=A(HASPCSY3) SET BASE	K3294000
005452	07F8			19742	BR	BASE3 ENTER PROCESSOR	K3294500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19744	*****	K3295500
				19745	*	* K3296000
				19746	* BACKSPACE DEVICE	@OZ19494 K3296500
				19747	*	@OZ19494 K3296520
				19748	* \$B DEV,PAGES	@OZ19494 K3296530
				19749	* \$B DEV,D	@OZ19494 K3296540
				19750	* \$B DEV,C,PAGES OR \$B DEV,PAGES,C	@OZ19494 K3296550
				19751	* \$B DEV,C	@OZ19494 K3296560
				19752	*	@OZ19494 K3296570
				19753	* DEV = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	* K3297000
				19754	* PAGES = NUMBER OF PAGES TO BACK UP	* K3297500
				19755	* D = BACK UP TO START OF DATASET	@OZ19494 K3298000
				19756	* C = BACK UP FROM LAST CHECKPOINT	@OZ19494 K3298100
				19757	*	* K3298500
				19758	*****	K3299000
005454	9120 1011	00011		19759	CB TM DCTDEVTP,DCTPRPU IS DEVICE OF CORRECT CLASS	K3299500
				19760	* TEST INCLUDES LOCAL AND REMOTE PRINTER AND PUNCH DEVICES	K3300000
005458	4780 8052	053BE		19761	BZ CBXINVO IF NOT, OPERAND INVALID	K3300500
00545C	45E0 8302	0566E		19762	BAL R14,CTDEVCHK CHECK FOR ACTIVE DEVICE	K3303000
005460	1F00			19764	SLR R0,R0 CLEAR PAGE COUNT	@OZ19494 K3304000
005462	8656 814A	054B6		19766	CBFLOOP BXH WD,WE,CBFCHEK SCAN FOR NEXT OPERAND	@OZ19494 K3305000
005466	5825 0000	00000		19767	L WA,0(WD) POINT TO OPERAND	@OZ19494 K3305500
				19768	\$CFSEL (D,CBFD),(C,CBFC),OPERAND=(WA),TYPE=CALL	@OZ19494 K3306000
00546A				19769+	DS 0H	Z0006000
00546A	95C4 2000	00000		19770+	CLI 0(WA),C'D' TEST CHARACTER	R4 K1097000
00546E	4780 8134	054A0		19771+	BE CBFD BR IF MATCH	R4 K1097500
005472	95C3 2000	00000		19772+	CLI 0(WA),C'C' TEST CHARACTER	R4 K1097000
005476	4780 8142	054AE		19773+	BE CBFC BR IF MATCH	R4 K1097500
00547A	95F0 2000	00000		19774	CLI 0(WA),C'0' CHECK FOR NUMERIC	@OZ19494 K3306500
00547E	4740 814A	054B6		19775	BL CBFCHEK BR IF NO - END THIS SCAN	@OZ19494 K3307000
005482	1600			19776	OR R0,R0 PAGE COUNT ALREADY SET	@OZ19494 K3307500
005484	4770 8052	053BE		19777	BNZ CBXINVO INVALID IF YES	@OZ19494 K3308000
005488	1821			19778	LR WA,R1 SAVE DCT ADDRESS	@OZ19494 K3308500
				19779	\$CFCVB POINTER=(WD),NOK=CBXINVO OBTAIN PAGE COUNT	@OZ19494 K3309000
00548A				19780+	DS 0H	Z0006000
00548A	1815			19781+	LR R1,WD	CJ018000
00548C	45E0 C456	00456		19782+	BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
005490	47F0 8052	053BE		19783+	B CBXINVO BRANCH IF OPERAND INVALID	K0196500
005494	1812			19784	LR R1,WA RESTORE DCT ADDRESS	@OZ19494 K3309500
005496	1600			19785	OR R0,R0 TEST RESULT	@OZ19494 K3309600
005498	4780 8052	053BE		19786	BZ CBXINVO ZERO PAGES NOT ALLOWED	@OZ19494 K3309700
00549C	47F0 80F6	05462		19787	B CBFLOOP CONTINUE SCAN	@OZ19494 K3310000
0054A0	1600			19789	CBFD OR R0,R0 PAGE COUNT ALREADY SET	@OZ19494 K3311000
0054A2	4770 8052	053BE		19790	BNZ CBXINVO INVALID IF YES	@OZ19494 K3311500
0054A6	5800 8208	05574		19791	L R0,CBFDVALU ELSE SET FOR \$B/\$F DATASET	@OZ19494 K3312000
0054AA	47F0 80F6	05462		19792	B CBFLOOP CONTINUE SCAN	@OZ19494 K3312500
0054AE	9601 1047	00047		19794	CBFC OI DCTPPSW2,DCTBFCKP \$F/\$B FROM LAST CHECKPOINT	@OZ19494 K3313500
0054B2	47F0 80F6	05462		19795	B CBFLOOP CONTIUNE SCAN	@OZ19494 K3314000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0054B6	1F56			19797	CBFCHEK	SLR WD,WE	RESET WD FOR NORMAL SCAN @OZ19494 K3315000
0054B8	1600			19798		OR R0,R0	PAGES OR DATASET SPECIFIED @OZ19494 K3315500
0054BA	4770 8174	054E0		19799	BNZ	CBFCHEKD	BRANCH IF YES @OZ19494 K3316000
0054BE	9101 1047	00047		19800	TM	DCTPPSW2,DCTBFCKP	WAS CHECKPOINT SPECIFIED @OZ19494 K3316500
0054C2	4780 8166	054D2		19801	BZ	CBFDEFLT	BRANCH IF NO @OZ19494 K3317000
0054C6	95C6 D0B7	000B7		19802	CLI	COMVERB,C'F'	\$F,C ILLEGAL WITHOUT @OZ19494 K3317500
0054CA	4780 8052	053BE		19803	BE	CBXINVO	PAGES SPECIFIED @OZ19494 K3318000
0054CE	47F0 8196	05502		19804	B	CBFSET	SET PAGE COUNT TO 0 @OZ19494 K3318500
0054D2	4100 0001	00001		19806	CBFDEFLT	LA R0,1	SUPPLY DEFAULT OF 1 PAGE @OZ19494 K3318800
0054D6	1557			19807		CLR WD,WF	LAST DEVICE IN LIST... @OZ19494 K3319000
0054D8	4740 818C	054F8		19808	BL	CBFPAGES	BRANCH IF NO @OZ19494 K3319500
0054DC	8656 818C	054F8		19809	BXH	WD,WE,CBFPAGES	ELSE BUMP WD AND BRANCH @OZ19494 K3320000
0054E0	5500 8208	05574		19811	CBFCHEKD	CL R0,CBFDVALU	\$F/\$B DATASET @OZ19494 K3320700
0054E4	4770 818C	054F8		19812	BNE	CBFPAGES	BRANCH IF NO @OZ19494 K3320800
0054E8	9101 1047	00047		19813	TM	DCTPPSW2,DCTBFCKP	\$F/\$B DATASET IS @OZ19494 K3320900
0054EC	4780 818C	054F8		19814	BZ	CBFPAGES	MUTUALLY EXCLUSIVE @OZ19494 K3321000
0054F0	94FE 1047	00047		19815	NI	DCTPPSW2,255-DCTBFCKP	WITH \$F/\$B FROM LAST @OZ19494 K3321100
0054F4	47F0 8052	053BE		19816	B	CBXINVO	CHECKPOINT @OZ19494 K3321200
0054F8	95C2 D0B7	000B7		19818	CBFPAGES	CLI COMVERB,C'B'	CHECK FOR \$B @OZ19494 K3321400
0054FC	4770 8196	05502		19819	BNE	CBFSET	BRANCH IF \$F @OZ19494 K3321500
005500	1100			19820	LNR	R0,R0	ELSE NEGATE PAGE COUNT @OZ19494 K3321600
005502	58E0 1000	00000		19822	CBFSET	L R14,DCTPCE	GET PRINT/PUNCH PCE @OZ19494 K3321800
005506	9110 1047	00047		19823	TM	DCTPPSW2,DCTCKJAM	CANCEL KEY OR JAM... @OZ47948 K3321850
00550A	4710 81A6	05512		19824	BO	CBFSETA	IN PROGRESS, DO NOT STORE @OZ47948 K3321900
00550E	5000 E194	00194		19825	ST	R0,PFSBSCT-PCEDSECT(,R14)	SAVE \$F/\$B PAGE CNT @OZ19494 K3322000
005512				19826	CBFSETA	DS 0H	@OZ47948 K3322050
005512	9608 1014	00014		19827	OI	DCTFLAGS,DCTBKSP	SET BACKSPACE FLAG @OZ19494 K3322100

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22
005516	9180 1000	00000		19829	CBXPOST	TM DCTSTAT,DCTINUSE	TEST FOR DCT ACTIVE	K3323000
00551A	4780 81F6	05562		19830		BZ CBXNEXT	IF NOT SKIP POST OF DCT'S PCE	K3323500
00551E	58E0 1000	00000		19831		L R14,DCTPCE	PICK UP PCE ADDRESS	R4 K3324000
			00000	19832		USING PCEDESECT,R14	TEMPORARY PCE ADDRESSABILITY	R4 K3324500
005522	9506 1011	00011		19833		CLI DCTDEVTP,DCTLOG	TEST FOR LOGON DCT	R4 K3325000
005526	4770 81C2	0552E		19834		BNE SKIP150	NO--TEST FOR LINE DCT	R4 K3325500
00552A	9610 E0AA	000AA		19835		OI MSCANREQ,MSCNSLOG	SET SCAN OF ACTIVE LOGON DCTS	R4 K3326000
00552E	9502 1011	00011		19836	SKIP150	CLI DCTDEVTP,DCTLNE	TEST FOR LINE DCT	R4 K3326500
005532	4770 81DE	0554A		19837		BNE *+24	NO--DO POST	R4 K3327000
005536	9180 102D	0002D		19838		TM MDCTTYPE,DCTPSNA	TEST FOR SNA LINE DCT	R4 K3327500
00553A	4710 81DA	05546		19839		BO SKIP160	YES--SET SCAN	R4 K3328000
00553E	9640 E0AA	000AA		19840		OI MSCANREQ,MSCNBACT	SET SCAN OF	R4 K3328500
005542	47F0 81DE	0554A		19841		B *+8	ACTIVE BSC LINE DCTS	R4 K3329000
005546	9638 E0AA	000AA		19842	SKIP160	OI MSCANREQ,MSCNSIDL+MSCNSALL	SCAN ACTIVE SNA LINE DCTS	R4 K3329500
				19843		DROP R14		R4 K3330000
				19844		\$POST (R14),IO	POST PROCESSOR FOR I/O	R4 K3330500
00554A	94DF E050	00050		19845+		NI PCEEFW-PCEDSECT(R14),255-\$EFWIO	RESET INHIBITS	FX074000
00554E	4770 81F6	05562		19846+		BNZ *+20	SKIP QUEUEING IF INHIBITED	FX076000
005552	90E3 B388	00388		19847+		STM LINK,R3,\$POSTSAV	SAVE REGISTERS	FX078000
005556	411E 0000	00000		19848+		LA R1,0(R14)	POINT TO PCE	FX086000
00555A	45E0 B01C	0001C		19849+		BAL LINK,\$POST	QUEUE THE PCE ON READY QUEUE	FX088000
00555E	98E3 B388	00388		19850+		LM LINK,R3,\$POSTSAV	RESTORE REGISTERS	FX090000
005562	8756 800E	0537A		19851	CBXNEXT	BXLE WD,WE,CBXDCTL	LOCATE NEXT DCT IF REQUESTED	K3331000
005566	D201 D0B6	8EC2 000B6	0622E	19852	CBXRET	MVC COMMAND(2),=C'OK'	SET OK	K3331500
00556C	4100 0002	00002		19853		LA R0,2	SET LENGTH	K3332000
005570	47F0 806C	053D8		19854		B CBXTRUNC	TRUNCATE	K3332500
005574				19856		DS 0F	FORCE TO FULLWORD BOUNDARY	@OZ19494 K3332650
005574	3FFFFFFF			19857	CBFDVALU	DC X'3FFFFFFF'	\$B/\$F DATASET PAGE COUNT	@OZ19494 K3332700

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19859	*****	K3333500
				19860	*	* K3334000
				19861	* \$C DEV -- CANCEL ACTIVITY ON DEVICE	* K3334500
				19862	* DEV = INPUT SERVICE PROCESSOR INPUT DEVICE	* K3335000
				19863	* = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	* K3335500
				19864	*	* K3336000
				19865	*****	K3336500
005578	9130 1011	00011		19866	CC TM DCTDEVTP,DCTRPP TEST FOR DEVICE CLASS	K3337500
00557C	4780 8052	053BE		19867	BZ CBXINVO IF NOT, INVALID OPERAND	K3339500
005580	9514 1011	00011		19868	CLI DCTDEVTP,DCTINR CHECK FOR INTERNAL RDR	K3340000
005584	4780 8052	053BE		19869	BE CBXINVO INVALID IF INTRDR	K3340500
005588	45E0 8302	0566E		19870	BAL R14,CTDEVCHK CHECK FOR ACTIVE DEVICE	K3341000
				19871	* INCLUDES LOCAL AND REMOTE RDRS,ALL PUNCHES AND PRINTERS	K3341500
00558C	9640 1014	00014		19872	OI DCTFLAGS,DCTDELET SET DELETE FLAG	K3342000
005590	947F 1014	00014		19873	NI DCTFLAGS,255-DCTSTOP RESET STOP INDICATOR IF ON	K3342500
005594	47F0 81AA	05516		19874	B CBXPOST POST DCT'S PCE FOR I/O	K3343000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19876	*****	K3344000
				19877	*	* K3344500
				19878	* \$E DEV -- RESTART CURRENT FUNCTION ON DEVICE	* K3345000
				19879	* DEV = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	* K3345500
				19880	* = LINE MANAGER TELEPROCESSING DEVICE	* K3346000
				19881	* = LOGON DCT	* K3346500
				19882	*	* K3347000
				19883	*****	K3347500
005598				19884	CE DS 0H RESTART DEVICE	K3348000
005598	9120 1011	00011		19885	TM DCTDEVTP,DCTPRPU TEST FOR PRT/PUN DEVICE	K3349000
00559C	4710 8244	055B0		19886	BO CEDEVCK YES--CHECK FOR DEVICE ACTIVE	K3349500
0055A0	9506 1011	00011		19887	CLI DCTDEVTP,DCTLOG TEST FOR LOGON DCT	R4 K3350000
0055A4	4780 8244	055B0		19888	BE CEDEVCK YES--CHECK FOR ACTIVE DCT	R4 K3350500
0055A8	9502 1011	00011		19889	CLI DCTDEVTP,DCTLNE TEST FOR RJE LINE	K3353000
0055AC	4770 8052	053BE		19890	BNE CBXINVO NO--ERROR IN DEVICE	K3353500
0055B0	45E0 8302	0566E		19891	CEDEVCK BAL R14,CTDEVCHK CHECK FOR DEVICE ACTIVE	K3354000
0055B4	9120 1011	00011		19892	TM DCTDEVTP,DCTPRPU TEST DCT TYPE	R4 K3354500
0055B8	4710 82CE	0563A		19893	BO CEXGOOD BRANCH IF NOT LINE	R4 K3355000
0055BC	9180 102D	0002D		19894	TM MDCTTYPE,DCTPSNA CHECK LINE TYPE	R4 K3356000
0055C0	4710 82B2	0561E		19895	BO CEXPOST GO POST LNE MGR IF VTAM LINE	R4 K3356500
0055C4	9501 1010	00010		19896	CLI DCTBUFCT,1 IS LINE I/O ACTIVE	K3357500
0055C8	4770 82CE	0563A		19897	BNE CEXGOOD BRANCH IF NOT	K3358000
0055CC	5010 D018	00018		19898	ST R1,PCER1 SAVE R1	K3358500
0055D0	58F0 1004	00004		19899	L R15,DCTBUFAD R15 = TP BUFFER ADDRESS	R4 K3359000
		00000		19900	USING BUFDSCT,R15 TEMPORARY BUF ADDRESSABILITY	R4 K3359500
				19901	* THIS LINE DELETED BY APAR NUMBER @OZ43648	K3359600
				19902	* THIS LINE DELETED BY APAR NUMBER @OZ43648	K3359700
0055D4	9548 F004	00004		19903	CLI IOBECBCC-BUFDSECT(R15),X'48' HAS I/O PURGED...	R4 K3360000
0055D8	4780 82CE	0563A		19904	BE CEXGOOD BR IF YES	R4 K3360500
0055DC	9500 F028	00028		19905	CLI BUFECBCC,X'00' HAS I/O COMPLETED... @OZ43648	K3360600
0055E0	4770 82CE	0563A		19906	BNE CEXGOOD BR IF YES @OZ43648	K3360700
0055E4	5810 1008	00008		19907	L R1,DCTDCB R1 = DCB ADDRESS	K3361000
0055E8	92A1 B388	00388		19908	MVI CEPURGE,X'A1' PREPARE PURGE	R4 K3361500
0055EC	D70B B38C B38C	0038C 0038C		19909	XC CEPURGE+4(12),CEPURGE+4 PARM LIST	R4 K3362000
0055F2	D202 B389 102D	00389 0002D		19910	MVC CEPURGE+1(3),DCBDEBA-IHADCB(R1) DEB ADDR TO PARMS	K3362500
0055F8	4110 B388	00388		19911	LA R1,CEPURGE R1 = ADDRESS OF PURGE PARMS	K3363000
				19912	PURGE (1) ISSUE PURGE	K3363500
0055FC	0A10			19913+	SVC 16 ISSUE SVC FOR PURGE	00100000
0055FE	5810 D018	00018		19914	L R1,PCER1 RELOAD R1	K3364000
005602	58F0 1004	00004		19915	L R15,DCTBUFAD R15 = TP BUFFER ADDRESS	K3364500
005606	9548 F004	00004		19916	CLI IOBECBCC,X'48' HAS I/O BEEN PURGED	R4 K3365000
00560A	4770 82CE	0563A		19917	BNE CEXGOOD BRANCH IF NOT	K3365500
00560E	5800 B24C	0024C		19918	L R0,\$RJECHQ GET TOP OF RJE BUFFER QUEUE	R4 K3366000
005612	5000 F028	00028		19919	SKIP170 ST R0,BUFCHAIN CHAIN BUFFER TO RJE QUEUE	R4 K3366500
005616	BA0F B24C	0024C		19920	CS R0,R15,\$RJECHQ ATTEMPT TO UPDATE QUEUE PNTRS	R4 K3367000
00561A	4770 82A6	05612		19921	BNE SKIP170 RETRY IF UNSUCCESSFUL	R4 K3367500
00561E	58E0 B488	00488		19922	CEXPOST L R14,\$MLLMPCE GET LINE MANAGER PCE ADDRESS	R4 K3368000
				19923	\$POST (R14),WORK POST LINE MANAGER FOR WORK	R4 K3368500
005622	94EF E050	00050		19924+	NI PCEEFW-PCEDSECT(R14),255-\$EWFWORK RESET INHIBITS	FX074000
005626	4770 82CE	0563A		19925+	BNZ *+20 SKIP QUEUEING IF INHIBITED	FX076000
00562A	90E3 B388	00388		19926+	STM LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
00562E	411E 0000	00000		19927+	LA R1,0(R14) POINT TO PCE	FX086000
005632	45E0 B01C	0001C		19928+	BAL LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
005636	98E3 B388	00388		19929+	LM LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000
				19930	DROP R15 RELEASE TEMPORARY BASE REG	R4 K3369000
00563A	9620 1014	00014		19931	CEXGOOD OI DCTFLAGS,DCTRSTRT TURN ON RESTART FLAG	K3369500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00563E	947F 1014	00014		19932	NI	DCTFLAGS,255-DCTSTOP CLEAR STOP	K3370000
005642	47F0 81AA	05516		19933	B	CBXPOST POST I/O	K3370500
			00388	19934	CEPURGE EQU	\$POSTSAV PURGE PARM LIST	R4 K3371000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19936	*****	K3372000
				19937	*	* K3372500
				19938	* \$F DEV,PAGES -- FORWARDSpace DEVICE	* K3373000
				19939	* DEV = PRINT/PUNCH DEVICE	* K3373500
				19940	* PAGES = NUMBER OF PAGES TO SKIP	* K3374000
				19941	* = DS - SKIP TO END OF DATA SET	* K3374500
				19942	*	* K3375000
				19943	*****	K3375500
05454	19944	CF		EQU CB	COMMON ENTRY WITH BACKSPACE	K3376000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19946	*****	K3377000
				19947	*	* K3377500
				19948	* \$I DEV -- INTERRUPT ACTIVITY ON DEVICE	* K3378000
				19949	* DEV = PRINT/PUNCH DEVICE	* K3378500
				19950	*	* K3379000
				19951	*****	K3379500
005646	9120 1011	00011		19952	CI TM DCTDEVTP,DCTPRPU TEST FOR PRT/PUN	K3380000
00564A	4780 8052	053BE		19953	BZ CBXINVO IF NOT, ERROR	K3380500
00564E	45E0 8302	0566E		19954	BAL R14,CTDEVCHK CHECK FOR ACTIVE DEVICE	K3383000
005652	9608 1014	00014		19955	OI DCTFLAGS,DCTBKSP SET BACKSPACE	K3383500
005656	47F0 82CE	0563A		19956	B CEXGOOD DO RESTART	K3384000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				19958	*****	K3385000
				19959	*	* K3385500
				19960	* \$N DEV -- REPEAT CURRENT FUNCTION ON DEVICE	* K3386000
				19961	* DEV = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	* K3386500
				19962	*	* K3387000
				19963	*****	K3387500
00565A	9120 1011		00011	19964	CN TM DCTDEVTP,DCTPRPU TEST FOR VALID DEVICE GROUP	K3388000
				19965	* TEST INCLUDES PRINTER AND PUNCH DEVICES	K3388500
00565E	4780 8052		053BE	19966	BZ CBXINVO IF NOT, INVALID OPERAND	K3389000
005662	45E0 8302		0566E	19967	BAL R14,CTDEVCHK CHECK FOR ACTIVE DEVICE	K3391500
005666	9610 1014		00014	19968	OI DCTFLAGS,DCTRPT SET REPEAT FLAG	K3392000
00566A	47F0 81AA		05516	19969	B CBXPOST POST I/O	K3392500
				19971	*****	K3393500
				19972	*	* K3394000
				19973	* ROUTINE TO TEST FOR DEVICE ACTIVE	* K3394500
				19974	*	* K3395000
				19975	*****	K3395500
00566E				19977	CTDEVCHK DS 0H CHECK FOR DEVICE ACTIVE	K3396500
00566E	9180 1000		00000	19978	TM DCTSTAT,DCTINUSE TEST FOR ACTIVE DEVICE	K3397000
005672	077E			19979	BNZR R14 YES--RETURN	K3397500
005674	D2C7 D1DC D0B6 001DC 000B6			19980	MVC COMREGSV(L'COMMAND),COMMAND SAVE COMMAND OVER \$WTO	K3398000
00567A	D207 D0B6 1018 000B6 00018			19981	MVC COMMAND(L'DCTDEVN),DCTDEVN SET DEVICE NAME IN MSG	K3398500
005680	D20E D0BE 8EE3 000BE 0624F			19982	MVC COMMAND+L'DCTDEVN(15),=C' NOT ACTIVE ON ' SET MSG	K3399000
005686	D203 D0CD B418 000CD 00418			19983	MVC COMMAND+L'DCTDEVN+15(L'\$SID),\$SID SET SYSTEM ID	K3399500
				19984	\$CWTO L=L'DCTDEVN+15+L'\$SID SEND IT	K3400000
00568C				19985+	DS 0H	Z0006000
00568C	4100 001B		0001B	19986+	LA R0,L'DCTDEVN+15+L'\$SID	K0154000
005690	4520 C07A		0007A	19987+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
005694	D2C7 D0B6 D1DC 000B6 001DC			19988	MVC COMMAND,COMREGSV RESTORE COMMAND TO AREA	K3400500
00569A	95C2 D0B7		000B7	19989	CLI COMVERB,C'B' THIS BACKSPACE	R4 K3401000
00569E	4780 833E		056AA	19990	BE SKIP180 SKIP NEXT IF YES	R4 K3401500
0056A2	95C6 D0B7		000B7	19991	CLI COMVERB,C'F' THIS FORWARD SPACE	R4 K3402000
0056A6	4770 8362		056CE	19992	BNE SKIP190 SKIP NEXT IF NOT	R4 K3402500
0056AA				19993	SKIP180 DS 0H @OZ39815	K3403000
0056AA	5826 5000		00000	19994	L WA,0(WE,WD) POINT TO OPERAND @OZ19494	K3403010
0056AE	95C3 2000		00000	19995	CLI 0(WA),C'C' TEST FOR CHARACTER @OZ19494	K3403040
0056B2	4780 835A		056C6	19996	BE SKIP185 BRANCH IF MATCH @OZ19494	K3403050
0056B6	95C4 2000		00000	19997	CLI 0(WA),C'D' TEST CHARACTER @OZ39815	K3403052
0056BA	4780 835A		056C6	19998	BE SKIP185 BRANCH IF MATCH @OZ39815	K3403054
0056BE	95F0 2000		00000	19999	CLI 0(WA),C'0' TEST FOR NUMERIC @OZ19494	K3403060
0056C2	4740 8362		056CE	20000	BL SKIP190 BR IF NOT - GET OPERAND @OZ19494	K3403070
0056C6	8756 833E		056AA	20001	SKIP185 BXLE WD,WE,SKIP180 LOOP IF MORE OPERANDS @OZ39815	K3403080
0056CA	47F0 80A0		0540C	20002	B CBXTRUND ELSE EXIT DEVICE COMMAND @OZ39815	K3403085
0056CE	8756 800E		0537A	20003	SKIP190 BXLE WD,WE,CBXDCTL AND LOCATE NEXT OPERAND	K3403500
0056D2	47F0 80A0		0540C	20004	B CBXTRUND NO--EXIT DEVICE COMMANDS	K3404000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20006	*****	K3405000
				20007	*	* K3405500
				20008	* \$P DEV -- STOP DEVICE AFTER THE CURRENT FUNCTION COMPLETES	* K3406000
				20009	* DEV = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	* K3406500
				20010	* = INPUT SERVICE PROCESSOR INPUT DEVICE	* K3407000
				20011	* = LINE MANAGER TELEPROCESSING DEVICE	* K3407500
				20012	* = LOGON DCT	* K3408000
				20013	*	* K3408500
				20014	*****	K3409000
				20015	CP NULL	K3409500
0056D6				20016	+CP DS 0H	Z0006000
0056D6	9514	1011	00011	20017	CLI DCTDEVTP,DCTINR TEST FOR INTERNAL READER	K3410000
0056DA	4780	8052	053BE	20018	BE CBXINVO IF SO REJECT	K3410500
0056DE	9640	1000	00000	20019	OI DCTSTAT,DCTDRAIN SET DRAIN FLAG	K3411000
0056E2	9180	1000	00000	20020	TM DCTSTAT,DCTINUSE TEST FOR DEVICE NOT ACTIVE	K3411500
0056E6	47E0	83C2	0572E	20021	BNO CPNIU PREPARE FOR FREUNIT IF NOT IN USE	R4 K3412000
0056EA	58E0	B488	00488	20022	L R14,\$MLLMPCE POINT TO LINE MANAGER PCE	R4 K3412500
			00000	20023	USING PCEDSECT,R14 TEMPORARY PCE ADDRESSABILITY	R4 K3413000
0056EE	9506	1011	00011	20024	CLI DCTDEVTP,DCTLOG TEST FOR LOGON DCT	R4 K3413500
0056F2	4770	8392	056FE	20025	BNE SKIP200 TEST FOR LINE DCT IF NOT	R4 K3414000
0056F6	9610	E0AA	000AA	20026	OI MSCANREQ,MSCNSLOG SET SCAN OF ACTIVE SNA LOGON DCTS	R4 K3414500
0056FA	47F0	83A6	05712	20027	B CPPOST POST LINE MANAGER	R4 K3415000
0056FE	9502	1011	00011	20028	SKIP200 CLI DCTDEVTP,DCTLNE TEST FOR LINE DCT	R4 K3415500
005702	4770	81F6	05562	20029	BNE CBXNEXT NEXT DCT IF NOT	R4 K3416000
005706	9180	102D	0002D	20030	TM MDCTTYPE,DCTPSNA TEST FOR SNA LINE DCT	R4 K3416500
00570A	47E0	81F6	05562	20031	BNO CBXNEXT NEXT DCT IF NOT	R4 K3417000
00570E	9638	E0AA	000AA	20032	OI MSCANREQ,MSCNSALL+MSCNSIDL SCAN ACTIVE SNA LINE DCTS	R4 K3417500
				20033	DROP R14	R4 K3418000
				20034	CPPOST \$POST (R14),WORK POST LINE MANAGER	R4 K3418500
005712	94EF	E050	00050	20035	+CPPOST NI PCEEFW-PCEDSECT(R14),255-\$EWFWORK RESET INHIBITS	FX074000
005716	4770	83BE	0572A	20036	+BNZ *+20 SKIP QUEUEING IF INHIBITED	FX076000
00571A	90E3	B388	00388	20037	+STM LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
00571E	411E	0000	00000	20038	+LA R1,0(R14) POINT TO PCE	FX086000
005722	45E0	B01C	0001C	20039	+BAL LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
005726	98E3	B388	00388	20040	+LM LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000
00572A	47F0	81F6	05562	20041	B CBXNEXT NEXT DCT	R4 K3419000
00572E	5010	5000	00000	20042	CPNIU ST R1,0(0,WD) SET DCT ADDRESS IN PLACE OF OP	R4 K3419500
005732	9280	5000	00000	20043	MVI 0(WD),X'80' SET FLAG	K3420000
005736	9120	1011	00011	20044	TM DCTDEVTP,DCTPRPU LOCAL OR REMOTE PRPU @G38ESBB	K3420100
00573A	4780	81F6	05562	20045	BZ CBXNEXT NO, GO GET NEXT DCT @G38ESBB	K3420200
00573E	58E0	1000	00000	20046	L R14,DCTPCE ADDRESS PRPU PCE FOR \$POST @G38ESBB	K3420300
005742	47F0	83A6	05712	20047	B CPPOST GO WAKE UP PRPU @G38ESBB	K3420500
005746				20049	CPXRMT DS 0H	R41 K3420700
005746	1321			20050	LCR WA,R1 RECOMPLEMENT RAT ADDRESS	R41 K3420800
005748	94BF	2020	00020	20051	NI RATFLAGS-RATDSECT(WA),255-RATSRMT FORCE \$SRMT OFF	R41 K3420900
00574C	58F0	200C	0000C	20052	L R15,RATLDCT-RATDSECT(,WA) PICK UP LINE DCT ADDRESS	R41 K3421000
005750	12FF			20053	LTR R15,R15 TEST LINE DCT ADDRESS	R41 K3421100
005752	4780	81F6	05562	20054	BZ CBXNEXT BRANCH IF NONE, NEXT OPERAND	R41 K3421200
005756	9610	F02F	0002F	20055	OI MDCTSTAT-DCTDSECT(R15),DCTSOFF INIDICATE QUIESCE	R41 K3421300
00575A	47F0	81F6	05562	20056	B CBXNEXT PROCESS NEXT OPERAND	R41 K3421400

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20058	*****	K3421600
				20059	*	* K3422000
				20060	* \$S DEV -- START DEVICE	* K3422500
				20061	* DEV = INPUT SERVICE PROCESSOR DEVICE	* K3423000
				20062	* = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	* K3423500
				20063	* = LINE MANAGER TELEPROCESSING DEVICE	* K3424000
				20064	* = CONSOLE DEVICE	* K3424500
				20065	*	* K3425000
				20066	*	* K3425500
				20067	*****	K3426000
00575E				20068	CS DS 0H START A HASP DEVICE	K3426500
00575E	9514 1011	00011		20069	CLI DCTDEVTP,DCTINR CHECK FOR INTERNAL READER	K3427000
005762	4780 8052	053BE		20070	BE CBXINVO YES--INVALID TO START	K3427500
005766	94BF 1000	00000		20071	NI DCTSTAT,255-DCTDRAIN TURN 'OFF' DRAIN BIT	K3428000
00576A	9102 1011	00011		20072	TM DCTDEVTP,DCTRJE TEST FOR REMOTES	K3429000
00576E	4780 8416	05782		20073	BZ SKIP210 SKIP NEXT TESTS IF LOCAL DEVICE	R4 K3431000
005772	9170 1011	00011		20074	TM DCTDEVTP,DCTDEV CHECK FOR REMOTE DEVICE DCT	R4 K3431500
005776	4770 844C	057B8		20075	BNZ CSXRMT BYPASS ALLOCATION IF YES	R4 K3432000
00577A	9180 102D	0002D		20076	TM MDCTTYPE,DCTPSNA TEST LINE OR LOGON TYPE	R4 K3432500
00577E	4710 844C	057B8		20077	BO CSXRMT BYPASS ALLOCATION IF VTAM	R4 K3433000
005782	5820 1008	00008		20078	SKIP210 L WA,DCTDCB START TO CHECK FOR REAL DEVICE	K3433500
005786	58F0 202C	0002C		20079	L R15,DCBDEBAD-IHADCB(,WA) POSSIBLE	K3434000
00578A	BFF3 F022	00022		20080	ICM R15,3,DEBSUCBA+2-DEBDSECT(R15) NOT POSSIBLE	K3434500
00578E	4780 84B8	05824		20081	BZ CSXINUV IF NO UCB POINTER INITIALIZED	K3435000
005792	1821			20082	LR WA,R1 SAVE DCT POINTER OVER ALLOCATE	K3435500
005794	9604 1000	00000		20083	OI DCTSTAT,DCTCIP FORESTALL LOCAL PRINTERS @OZ57366	K3435600
				20084	\$ALLOC (R1),CSXINUSE ALLOCATE UCB TO HASP DCT	K3436000
005798	58F0 B030	00030		20085+	L R15,\$DYNADDR GET ADDRESS OF DYNAMIC ALLOCATE	A1010000
00579C	05EF			20086+	BALR LINK,R15 LINK TO CONTROL SERVICE PROGRAM	A1012000
00579E	4780 84C6	05832		20087+	BC 8,CSXINUSE	FB008000
0057A2	1812			20088	LR R1,WA RELOAD DCT PTR	K3436500
0057A4	94FB 1000	00000		20089	NI DCTSTAT,255-DCTCIP RESET \$\$ CMD IN PROGRESS @OZ57366	K3436600
0057A8	94DF 1000	00000		20090	NI DCTSTAT,255-DCTHOLD TURN OFF HOLD BIT	K3437000
0057AC	9120 1011	00011		20091	TM DCTDEVTP,DCTPRPU TEST FOR PRT/PUN	K3437500
0057B0	4780 844C	057B8		20092	BZ *+8 IF NOT DON'T TURN OFF PAUSE BIT	K3438000
0057B4	94FE 1000	00000		20093	NI DCTSTAT,255-DCTPAUSE PRT/PUN--TURN OFF PAUSE BIT	K3438500
0057B8				20094	CSXRMT DS 0H COME HERE FOR REMOTE DEVICES	K3439000
				20095	*	THIS LINE DELETED BY APAR @OZ50177 K3439100
				20096	*	THIS LINE DELETED BY APAR @OZ50177 K3439200
				20097	*	THIS LINE DELETED BY APAR @OZ50177 K3439300
0057B8	947F 1014	00014		20098	NI DCTFLAGS,255-DCTSTOP TURN OFF STOP BIT	K3439500
0057BC	9506 1011	00011		20099	CLI DCTDEVTP,DCTLOG CHECK FOR LOGON DCT	R4 K3440000
0057C0	4780 8460	057CC		20100	BE SKIP220 YES--POST LINE MANAGER	R4 K3440500
0057C4	9502 1011	00011		20101	CLI DCTDEVTP,DCTLNE CHECK FOR RJE LINE	K3441000
0057C8	4770 8484	057F0		20102	BNE CSXNLNE NO--SKIP POSTING OF MLLM	K3441500
0057CC	58E0 B488	00488		20103	SKIP220 L R14,\$MLLMPCE POINT TO RTAMS PCE	R4 K3442000
		00000		20104	USING PCEDSECT,R14 TEMPORARY PCE ADDRESSABILITY	R4 K3442500
0057D0	9680 E0AA	000AA		20105	OI MSCANREQ,MSCNUNIT SCAN INACTIVE LINE AND LOGON DCTS	R4 K3443000
				20106	DROP R14 RELEASE TEMPORARY PCE BASE	R4 K3443500
				20107	\$POST (R14),WORK POST LINE MANAGER FOR WORK	R4 K3444000
0057D4	94EF E050	00050		20108+	NI PCEEFW-PCEDSECT(R14),255-\$EWFWORK RESET INHIBITS	FX074000
0057D8	4770 8480	057EC		20109+	BNZ *+20 SKIP QUEUEING IF INHIBITED	FX076000
0057DC	90E3 B388	00388		20110+	STM LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
0057E0	411E 0000	00000		20111+	LA R1,0(R14) POINT TO PCE	FX086000
0057E4	45E0 B01C	0001C		20112+	BAL LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
0057E8	98E3 B388	00388		20113+	LM LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0057EC	47F0 84B0	0581C		20114	B	CSXPOST	THEN BR TO \$POST JOB AND JOT R4 K3444500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22
0057F0	9122	1011	00011		20116	CSXNLNE	TM DCTDEVTP,DCTPRPU+DCTRJE	TEST FOR REMOTE DEVICE	R41 K3445100
0057F4	4710	84B0	0581C		20117		BO CSXPOST	BRANCH IF YES, SKIP POST	R41 K3445200
0057F8	9180	1000	00000		20118		TM DCTSTAT,DCTINUSE	TEST DEVICE STATUS	R41 K3445300
0057FC	4710	84B0	0581C		20119		BO CSXPOST	BRANCH IF IN USE, SKIP POST	R41 K3445400
005800	5820	1000	00000		20120		L WA,DCTPCE	GET PCE ADDRESS FROM DCT	R41 K3445500
					20121		\$POST (WA),WORK	AND INDICATE DEVICE AVAILABLE	R4 K3446000
005804	94EF	2050	00050		20122+		NI PCEEFW-PCEDSECT(WA),255-\$EWFWORK	RESET INHIBITS	FX074000
005808	4770	84B0	0581C		20123+		BNZ *+20	SKIP QUEUEING IF INHIBITED	FX076000
00580C	90E3	B388	00388		20124+		STM LINK,R3,\$POSTSAV	SAVE REGISTERS	FX078000
005810	4112	0000	00000		20125+		LA R1,0(WA)	POINT TO PCE	FX086000
005814	45E0	B01C	0001C		20126+		BAL LINK,\$POST	QUEUE THE PCE ON READY QUEUE	FX088000
005818	98E3	B388	00388		20127+		LM LINK,R3,\$POSTSAV	RESTORE REGISTERS	FX090000
					20128	CSXPOST	\$POST \$HASPECF,(JOB,JOT)	\$POST ALL FOR JOB AND JOT	R4 K3446500
					20129+*			THIS CARD DELETED BY APAR @OZ27300	FX120000
00581C	945F	B4B1	004B1		20130+	CSXPOST	NI \$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT	RESET EVENTS	FX152000
005820	47F0	81AA	05516		20131		B CBXPOST	AND EXIT	K3447000
005824					20132	CSXINVU	DS 0H	COM HERE WHEN INVALID UNIT	K3447500
005824	D20C	D0BE	8EF2	000BE	0625E		MVC COMMAND+L'DCTDEVN(13),=C' INVALID UNIT'	SET MSG	K3448000
00582A	4100	0015	00015		20134		LA R0,L'DCTDEVN+13	SET MSG LENGTH	K3448500
00582E	47F0	84D6	05842		20135		B CSXDEVNM	ADD NAME TO MSG AND ISSUE	K3449000
005832					20136	CSXINUSE	DS 0H	COME HERE IF DEVICE CAN'T BE AL	K3449500
005832	1812				20137		LR R1,WA	RESTORE DCT POINTER	K3450000
005834	94FB	1000	00000		20138		NI DCTSTAT,255-DCTCIP	RESET \$\$ CMD IN PROGRESS @OZ57366	K3450400
005838	D20D	D0BE	8EC4	000BE	06230		MVC COMMAND+L'DCTDEVN(14),=C' NOT AVAILABLE'	SET MSG	K3450500
00583E	4100	0016	00016		20140		LA R0,L'DCTDEVN+14	COMPUTE MESSAGE LENGTH	K3451000
005842	D207	D0B6	1018	000B6	00018		MVC COMMAND(L'DCTDEVN),DCTDEVN	ADD DEVICE NAME	K3451500
005848	9640	1000	00000		20142		OI DCTSTAT,DCTDRAIN	IF NOT ALLOCATED TURN ON DRAIN	K3452000
					20143		\$CRET L=(R0)	AND ISSUE DIAGNOSTIC	K3452500
00584C					20144+		DS 0H		Z0006000
00584C	41F0	0008	00008		20145+		LA R15,CORTMSG	RETURN AND ISSUE MESSAGE	K0133000
005850	47F0	C1AC	001AC		20146+		B CORET	RETURN	K0137500
005854	1311				20147	CSXRTER	LCR R1,R1	COMPLEMENT ADDRESS OF RAT	R41 K3452600
				00000	20148		USING RATDSECT,R1	ESTABLISH ADDRESSABILITY	R41 K3452700
005856	9180	1012	00012		20149		TM RATTYPER,DCTPSNA	TEST FOR REMOTE TYPE	R41 K3452800
00585A	4780	8052	053BE		20150		BZ CBXINVO	BR IF NOT SNA, INVALID OPERAND	R41 K3452900
00585E	9640	1020	00020		20151		OI RATFLAGS,RATSRMT	SET START FLAG IN RAT	R41 K3453000
005862	B205	D090	00090		20152		STCK COMDWORK	STORE CLOCK VALUE	R41 K3453100
005866	D203	1024	D090	00024	00090		MVC RATIMER,COMDWORK	AND PLACE IN RAT	R41 K3453200
00586C	58F0	B488	00488		20154		L R15,\$MLLPCE	LOAD PROCESSOR ADDRESS	R41 K3453300
005870	9604	F0AA	000AA		20155		OI MSCANREQ-PCEDSECT(R15),MSCNRAT	SET SCAN FLAG	R41 K3453400
					20156		\$POST (R15),WORK	POST LINE MANAGER	R41 K3453500
005874	94EF	F050	00050		20157+		NI PCEEFW-PCEDSECT(R15),255-\$EWFWORK	RESET INHIBITS	FX074000
005878	4770	8520	0588C		20158+		BNZ *+20	SKIP QUEUEING IF INHIBITED	FX076000
00587C	90E3	B388	00388		20159+		STM LINK,R3,\$POSTSAV	SAVE REGISTERS	FX078000
005880	411F	0000	00000		20160+		LA R1,0(R15)	POINT TO PCE	FX086000
005884	45E0	B01C	0001C		20161+		BAL LINK,\$POST	QUEUE THE PCE ON READY QUEUE	FX088000
005888	98E3	B388	00388		20162+		LM LINK,R3,\$POSTSAV	RESTORE REGISTERS	FX090000
00588C	47F0	81F6	05562		20163		B CBXNEXT	TEST NEXT REMOTE	R41 K3453600

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
		05562	20165	CZXNEXT	EQU CBXNEXT COMMON ROUTINE ENTRY	K3453800
		053BE	20166	CTXINVO	EQU CBXINVO COMMON ROUTINE ENTRY	K3454000
		05566	20167	CZXRET	EQU CBXRET COMMON ROUTINE ENTRY	K3454500
			20168	*	*****	K3455000
			20169	*	*	K3455500
			20170	*	\$T DEV -- SET DEVICE	K3456000
			20171	*	DEV = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	K3456500
			20172	*	= INPUT SERVICE PROCESSOR DEVICE	K3457000
			20173	*	= LINE	K3457500
			20174	*	*	K3458000
			20175	*	NOTES	K3458500
			20176	*	READER SETTING FORMAT FOLLOWS	K3459000
			20177	*	H= Y/N - SET TO HOLD JOBS READ OR NOT	K3459500
			20178	*	P= DEST - SET DEFAULT PRINT DESTINATION FOR JOBS READ	K3460000
			20179	*	U= DEST - SET DEFAULT PUNCH DESTINATION FOR JOBS READ	K3460500
			20180	*	A= NUMBER - SET CONSOLE AUTHORITY LEVEL	K3461000
			20181	*	C= CLASS - SET DEFAULT JOB CLASS FOR JOBS READ	K3461500
			20182	*	Q= CLASS - SET DEFAULT MSG CLASS FOR JOBS READ	K3462000
			20183	*	S= +/- SID,SID,... - SET/ADD/SUBTRACT DEFAULT AFFINITIES	K3462500
			20184	*	ANY/IND - SET AFFINITY TO ALL OR INDEPENDANT MODE	K3463000
			20185	*	*	K3465000
			20186	*	PRINTER SETTING FORMAT FOLLOWS	K3465500
			20187	*	B= Y/N FOR BURST/NOBURST ON 3800	K3466000
			20188	*	M= Y/N - EDGE-MARKING BETWEEN UNITS OF 3800 PRINTING OR NOT	K3466500
			20189	*	C= CARRAGE TAPE NAME OR FCB IMAGE FROM SYS1.IMAGELIB	K3467000
			20190	*	F= FORM OR 'AUTOM'	K3467500
			20191	*	T= TRAIN NAME 'QN,TN,RN,PN,HN,ETC'	K3468000
			20192	*	OR UCS IMAGE FROM SYS1.IMAGELIB	K3468500
			20193	*	SYSTEM DEFAULT FOR 3800 CHAR SET FROM SYS1.IMAGELIB	K3469000
			20194	*	K= 1/2/3/R - FORCE SPACING FOR DATA SET	K3469500
			20195	*	LIM= M-N - LOW AND HIGH LINE LIMITS FOR THIS PRINTER @OZ40627	K3469600
			20196	*	O= FLASH FRAME ID FOR 3800 PRINTERS	K3470000
			20197	*	S= Y/N - PRINT SEPARATORS BETWEEN UNITS OF WORK OR NOT	K3470500
			20198	*	- PRINT REMOTE MESSAGES BETWEEN UNITS OF WORK OR NOT	K3471000
			20199	*	P= Y/N - LOCAL PRINTER PAUSE BETWEEN UNITS OF WORK OR NOT	K3471500
			20200	*	Y= COPY-MODIFICATION RECORD ID FOR 3800 FROM SYS1.IMAGELIB	K3472000
			20201	*	Q= LIST OF SYSOUT CLASSES AVAILABLE TO THE PRINTER	K3472500
			20202	*	R= NUMBER TO SET ROUTE CODE THIS PRINTER WILL PROCESS	K3473000
			20203	*	X1/X2/X3/X4= 3800 CHAR SET ID'S FROM SYS1.IMAGELIB	K3473500
			20204	*	Z= NUMBER-SET COMPACTION TABLE NUMBER	K3473600
			20205	*	*	K3474000
			20206	*	*	K3474500
			20207	*	PUNCH SETTING FORMAT FOLLOWS	K3475000
			20208	*	LIM= M-N - LOW AND HIGH CARD LIMITS FOR THIS PUNCH @OZ40627	K3475100
			20209	*	S= Y/N - PUNCH SEPARATORS BETWEEN UNITS OF WORK OR NOT	K3475500
			20210	*	P= Y/N - LOCAL PUNCH PAUSE BETWEEN UNITS OF WORK OR NOT	K3476000
			20211	*	Q= LIST OF SYSOUT CLASSES AVAILABLE TO THE PUNCH	K3476500
			20212	*	R= NUMBER TO SET ROUTE CODE THIS PUNCH WILL PROCESS	K3477000
			20213	*	Z= NUMBER-SET COMPACTION TABLE NUMBER	K3477100
			20214	*	*	K3477500
			20215	*	RJE LINE SETTING FORMAT FOLLOWS	K3478000
			20216	*	E= Y/N - LOG CHANNEL ENDS OR NOT (TESTING MODE ONLY)	K3478500
			20217	*	D= QUIESCE/IMMEDIATE TO CAUSE LINE DISCONNECT	K3479000
			20218	*	P= PASSWORD OR NULL TO SET OR NULLIFY A PASSWORD	K3479500
			20219	*	*	K3480000
			20220	*	REMOTE DEVICE SETTING FORMAT FOLLOWS	K3480100

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20221 *	A=Y/N SET OR RESET AUTOLOGON FOR SNA DEVICES	* K3480200
				20222 *	D=NNN INCREASE OR D INITIALIZATION	* K3480300
				20223	*****	K3480500
			00000	20225	DROP R1	K3481500
			00000	20226	USING DCTDSECT,WA	K3482000
005890	1821			20227 CT	LR WA,R1 SAVE DCT POINTER	K3482500
005892	9200 D1D8	001D8		20228	MVI COMNULOP,0 CLEAR FLAG FOR RDI LOOP	K3483000
005896	4140 8052	053BE		20229	LA WC,CTXINVO SET ERROR EXIT ADDRESS	K3483500
00589A	8656 8052	053BE		20230	BXH WD,WE,CTXINVO IF NO CORRESPONDING PARAMETER EXIT	K3484000
00589E				20231 CTXLOOP	DS 0H	K3484500
00589E	5810 5000	00000		20232	L R1,0(0,WD) PICK UP OPERAND ADDRESS	K3485000
0058A2	9502 2011	00011		20233	CLI DCTDEVTP,DCTLNE IS THIS A LINE SETTING	K3485500
0058A6	4780 8D9A	06106		20234	BE CTXLINE YES--GO CHANGE LINE	K3486000
0058AA	9506 2011	00011		20235	CLI DCTDEVTP,DCTLOG IS THIS A LOGON SETTING	R4 K3487000
0058AE	4780 8D6C	060D8		20236	BE CTXLOG YES--GO CHANGE LOGON	R4 K3487500
0058B2	9130 2011	00011		20237	TM DCTDEVTP,DCTRPP TEST FOR READER/PRINTER/PUNCH	K3489000
0058B6	0784			20238	BZR WC IF NOT, INVALID OPERAND	K3491000
0058B8	957E 1001	00001		20239	CLI 1(R1),C '=' TEST FOR PROPER FORMAT	K3491500
0058BC	4770 8560	058CC		20240	BNE CTXLOOP0 IF NOT, POSSIBLY A 3800 OPERAND	R4 K3492000
0058C0	9120 2011	00011		20241	TM DCTDEVTP,DCTPRPU TEST FOR PRINTER/PUNCH	K3492500
0058C4	4780 8B7A	05EE6		20242	BZ CTXRDR IF NOT, MUST BE READER	K3493000
0058C8	47F0 8582	058EE		20243	B CTXLOOP1 IF YES, SKIP 3800 PROCESSNG	R4 K3495500
0058CC	9120 2011	00011		20244 CTXLOOP0	TM DCTDEVTP,DCTPRPU TEXT FOR PRINTER/PUNCH	@OZ40627 K3496000
0058D0	0784			20245	BZR WC IF NOT, ERROR	@OZ40627 K3496100
0058D2	D503 8E9C 1000	06208 00000		20246	CLC =C'LIM=',0(R1) CHANGING DEVICE LIMITS ...	@OZ40627 K3496200
0058D8	4780 86EA	05A56		20247	BE CTXLIM BRANCH IF YES	@OZ40627 K3496300
0058DC	9180 2047	00047		20248	TM DCTPPSW2,DCTNIPRT TEST FOR 3800 PRINTER	@OZ40627 K3496400
0058E0	07E4			20249	BNOR WC IF NOT, ERROR	R4 K3496500
0058E2	95E7 1000	00000		20250	CLI 0(R1),C'X' CHECK FOR 'XN=' FORMAT	R4 K3497000
0058E6	0774			20251	BNER WC IF NOT, ERROR	R4 K3497500
0058E8	957E 1002	00002		20252	CLI 2(R1),C '=' STILL CHECKING 'XN='	R4 K3498000
0058EC	0774			20253	BNER WC IF NOT, ERROR	R4 K3498500
0058EE	5830 5004	00004		20254 CTXLOOP1	L WB,4(0,WD) POINT TO NEXT OPERAND	R4 K3499000
0058F2	1B31			20255	SR WB,R1 GET SIZE OF OPERAND + 1	K3499500
0058F4	4B30 8ED2	0623E		20256	SH WB,=H'4' GET TEXT MACHINE COUNT	K3500000
0058F8	0744			20257	BMR WC EXIT IN ERROR IF NULL	K3500500
				20258	\$CFSEL (B,CTXB),(C,CTXC),(F,CTXF),(K,CTXK),(M,CTXM),	R4CK3501000
					(O,CTXO),(P,CTXP),(Q,CTXQ),(R,CTXR),(S,CTXS),	R4CK3501500
					(T,CTXT),(X,CTXX),(Y,CTXY),(Z,CTXZ),OPERAND=(R1),	R41CK3502000
					TYPE=CALL	R41 K3502100
0058FA				20259+	DS 0H	Z0006000
0058FA	0700			20260+	CNOP 0,4 INSURE ALINGMENT	K1085500
0058FC	45F0 85CE	0593A		20261+	BAL R15,COF0789T PICK UP TABLE FOR SELECTION	K1086000
005900	C2005940			20262+	DC CL1'B',AL3(CTXB)	K1088000
005904	C3005AC4			20263+	DC CL1'C',AL3(CTXC)	K1088000
005908	C6005DAC			20264+	DC CL1'F',AL3(CTXF)	K1088000
00590C	D2005A7E			20265+	DC CL1'K',AL3(CTXK)	K1088000
005910	D4005964			20266+	DC CL1'M',AL3(CTXM)	K1088000
005914	D6005988			20267+	DC CL1'O',AL3(CTXO)	K1088000
005918	D7005A32			20268+	DC CL1'P',AL3(CTXP)	K1088000
00591C	D8005D62			20269+	DC CL1'Q',AL3(CTXQ)	K1088000
005920	D9005D92			20270+	DC CL1'R',AL3(CTXR)	K1088000
005924	E2005A14			20271+	DC CL1'S',AL3(CTXS)	K1088000
005928	E3005AB8			20272+	DC CL1'T',AL3(CTXT)	K1088000
00592C	E70059D0			20273+	DC CL1'X',AL3(CTXX)	K1088000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005930	E80059AC			20274+	DC	CL1 'Y' ,AL3 (CTXY)	K1088000
005934	E9005E0C			20275+	DC	CL1 'Z' ,AL3 (CTXZ)	K1088000
005938	FF			20276+	DC	X 'FF'	K1089000
005939	00					END OF SELECT TABLE	
00593A	45E0 CA48	00A48		20277+COF0789T	BAL	LINK ,COFSEL	K1089500
00593E	07F4			20278	BR	WC	R4 K3502500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20280	*****	K3503500
				20281	* SET BURST OPTION FOR 3800 PRINTER *	K3504000
				20282	*****	K3504500
005940	9180 2047	00047		20283	CTXB TM DCTPPSW2,DCTNIPRT TEST FOR 3800 PRINTER	R4 K3505000
005944	0784			20284	BZR WC ERROR IF NOT	R4 K3505500
005946	95E8 1002	00002		20285	CLI 2(R1),C'Y' TEST FOR 'BURST=YES'	R4 K3506000
00594A	4770 85EA	05956		20286	BNE CTXBN IF NOT TRY 'BURST=NO'	R4 K3506500
00594E	9640 2047	00047		20287	OI DCTPPSW2,DCTNIBRS SET BURSTER ON	R4 K3507000
005952	47F0 8A56	05DC2		20288	B CTXLOOPA GO \$POST AND GET NEXT KEYWORD	R4 K3507500
005956	95D5 1002	00002		20289	CTXBN CLI 2(R1),C'N' TEST FOR 'BURST=NO'	R4 K3508000
00595A	0774			20290	BNER WC IF NOT, ERROR	R4 K3508500
00595C	94BF 2047	00047		20291	NI DCTPPSW2,255-DCTNIBRS SET BURST FLAG OFF	R4 K3509000
005960	47F0 8A56	05DC2		20292	B CTXLOOPA GO \$POST AND GET NEXT KEYWORD	R4 K3509500
				20293	*****	K3510000
				20294	* SET EDGE-MARK OPTION FOR 3800 PRINTER *	K3510500
				20295	*****	K3511000
005964	9180 2047	00047		20296	CTXM TM DCTPPSW2,DCTNIPRT TEST FOR 3800 PRINTER	R4 K3511500
005968	0784			20297	BZR WC ERROR IF NOT	R4 K3512000
00596A	95E8 1002	00002		20298	CLI 2(R1),C'Y' TEST FOR 'MARK=YES'	R4 K3512500
00596E	4770 860E	0597A		20299	BNE CTXMN IF NOT TRY 'MARK=NO'	R4 K3513000
005972	9620 2047	00047		20300	OI DCTPPSW2,DCTNIMRK INDICATE EDGE-MARKING	R4 K3513500
005976	47F0 8A5A	05DC6		20301	B CTXLOOPC GET NEXT KEYWORD	R4 K3514000
00597A	95D5 1002	00002		20302	CTXMN CLI 2(R1),C'N' TEST FOR 'MARK=NO'	R4 K3514500
00597E	0774			20303	BNER WC ERROR IF NOT	R4 K3515000
005980	94DF 2047	00047		20304	NI DCTPPSW2,255-DCTNIMRK SET EDGE-MARK FLAG OFF	R4 K3515500
005984	47F0 8A5A	05DC6		20305	B CTXLOOPC GET NEXT KEYWORD	R4 K3516000
				20306	*****	K3516500
				20307	* SET FLASH FRAME ID FOR 3800 PRINTER *	K3517000
				20308	*****	K3517500
005988	9180 2047	00047		20309	CTXO TM DCTPPSW2,DCTNIPRT TEST FOR 3800 PRINTER	R4 K3518000
00598C	0784			20310	BZR WC ERROR IF NOT	R4 K3518500
00598E	41F0 2058	00058		20311	LA R15,DCTFLASH POINT TO FLASH FRAME FIELD	R4 K3519000
005992	D504 1002 8EFF	00002 0626B		20312	CLC 2(5,R1),=C'RESET' TEST FOR FLASH RESET	R4 K3519500
005998	4770 863A	059A6		20313	BNE SKIP230 BR IF NOT	R4 K3520000
00599C	D203 F000 8EA0	00000 0620C		20314	MVC 0(4,R15),=C'****' RESET FLASH FRAME ID	R4 K3520500
0059A2	47F0 8A56	05DC2		20315	B CTXLOOPA GO \$POST AND GET NEXT KEYWORD	R4 K3521000
0059A6	1F00			20316	SKIP230 SLR R0,R0 CHANGE INDICATOR	R4 K3521500
0059A8	47F0 8796	05B02		20317	B CTXIDVAL GO CHECK FOR VALID NAME	R4 K3522000
				20318	*****	K3522500
				20319	* SET MODIFY IMAGE FOR 3800 PRINTER *	K3523000
				20320	*****	K3523500
0059AC	9180 2047	00047		20321	CTXY TM DCTPPSW2,DCTNIPRT TEST FOR 3800 PRINTER	R4 K3524000
0059B0	0784			20322	BZR WC ERROR IF NOT	R4 K3524500
0059B2	41F0 205C	0005C		20323	LA R15,DCTMODF POINT TO MODIFY-IMAGE FIELD	R4 K3525000
0059B6	D504 1002 8EFF	00002 0626B		20324	CLC 2(5,R1),=C'RESET' TEST FOR MODIFY RESET	R4 K3525500
0059BC	4770 865E	059CA		20325	BNE SKIP240 BR IF NOT	R4 K3526000
0059C0	D203 F000 8EA0	00000 0620C		20326	MVC 0(4,R15),=C'****' RESET MODIFY ID	R4 K3526500
0059C6	47F0 8A5A	05DC6		20327	B CTXLOOPC GET NEXT KEYWORD	R4 K3527000
0059CA	1F00			20328	SKIP240 SLR R0,R0 SET CHANGE INDICATOR	R4 K3527500
0059CC	47F0 8796	05B02		20329	B CTXIDVAL GO CHECK FOR VALID NAME	R4 K3528000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20331	*****	K3529000
				20332	* SET TRANSLATE TABLE 1,2,3, OR 4 FOR 3800 PRINTER	* K3529500
				20333	*****	K3530000
0059D0	9180 2047	00047		20334	CTXX TM DCTPPSW2,DCTNIPRT TEST FOR 3800 PRINTER	R4 K3530500
0059D4	0784			20335	BZR WC ERROR IF NOT	R4 K3531000
0059D6	4110 1001	00001		20336	LA R1,1(,R1) INCR TO NEXT BYTE (CHAR NUMBER)	R4 K3531500
0059DA	1F00			20337	SLR R0,R0 SET CHANGE INDICATOR	R4 K3532000
0059DC	4B30 8ED4	06240		20338	SH WB,=H'1' ACCT FOR EXTRA KEYW LGTH	R4 K3532500
0059E0	0744			20339	BMR WC NULL OPERAND SPECIFIED	R4 K3533000
0059E2	41F0 2048	00048		20340	LA R15,DCTCHAR1 POINT TO CHAR SET FIELD	R4 K3533500
0059E6	95F1 1000	00000		20341	CLI 0(R1),C'1' TEST FOR 'X1='	R4 K3534000
0059EA	4780 8796	05B02		20342	BE CTXIDVAL BR IF YES	R4 K3534500
0059EE	41F0 204C	0004C		20343	LA R15,DCTCHAR2 POINT TO CHAR SET FIELD	R4 K3535000
0059F2	95F2 1000	00000		20344	CLI 0(R1),C'2' TEST FOR 'X2='	R4 K3535500
0059F6	4780 8796	05B02		20345	BE CTXIDVAL BR IF YES	R4 K3536000
0059FA	41F0 2050	00050		20346	LA R15,DCTCHAR3 POINT TO CHAR SET FIELD	R4 K3536500
0059FE	95F3 1000	00000		20347	CLI 0(R1),C'3' TEST FOR 'X3='	R4 K3537000
005A02	4780 8796	05B02		20348	BE CTXIDVAL BR IF YES	R4 K3537500
005A06	41F0 2054	00054		20349	LA R15,DCTCHAR4 POINT TO CHAR SET FIELD	R4 K3538000
005A0A	95F4 1000	00000		20350	CLI 0(R1),C'4' TEST FOR 'X4='	R4 K3538500
005A0E	4780 8796	05B02		20351	BE CTXIDVAL BR IF YES	R4 K3539000
005A12	07F4			20352	BR WC ERROR, INVALID KEYWORD	R4 K3539500
				20353	*****	K3540000
				20354	* SET SEPARATOR OPTION FOR PRINT/PUNCH DEVICE	* K3540500
				20355	*****	K3541000
005A14	95E8 1002	00002		20356	CTXS CLI 2(R1),C'Y' TEST FOR 'SEPARATE=YES'	R4 K3541500
005A18	4770 86B8	05A24		20357	BNE CTXSN IF NOT TRY 'SEPARATE=NO'	R4 K3542000
005A1C	94EF 2046	00046		20358	NI DCTPPSW,255-DCTPPSWS ALLOW SEPARATORS	K3542500
005A20	47F0 8A56	05DC2		20359	B CTXLOOPA GO POST AND DO NEXT OPERAND	R4 K3543000
005A24	95D5 1002	00002		20360	CTXSN CLI 2(R1),C'N' IS THIS SEPARATE = 'NO'	K3543500
005A28	0774			20361	BNER WC ERROR IF NEITHER	K3544000
005A2A	9610 2046	00046		20362	OI DCTPPSW,DCTPPSWS PREVENT SEPARATORS	K3544500
005A2E	47F0 8A56	05DC2		20363	B CTXLOOPA GO TO NEXT OPERAND	R4 K3545000
				20364	*****	K3545500
				20365	* SET A LOCAL PRINT/PUNCH DEVICE TO PAUSE AFTER EACH JOB	* K3546000
				20366	*****	K3546500
005A32				20367	CTXP DS 0H SET/RESET PAUSE ON DEVICE	K3547000
005A32	9102 2011	00011		20368	TM DCTDEVTP,DCTRJE TEST FOR REMOTE PRT/PUN	K3547500
005A36	0714			20369	BOR WC IF REMOTE,ERROR TO SET PAUSE	K3548000
005A38	95E8 1002	00002		20370	CLI 2(R1),C'Y' CHECK FOR SET OF PAUSE	K3548500
005A3C	4780 86E2	05A4E		20371	BE CTXPAUSE YES--TURN ON PAUSE BIT	K3549000
005A40	95D5 1002	00002		20372	CLI 2(R1),C'N' NO--CHECK FOR RESET	K3549500
005A44	0774			20373	BNER WC NO--ERROR IN COMMAND	K3550000
005A46	94FE 2045	00045		20374	NI DCTPPFL,255-DCTPAUSE RESET PAUSE BIT	K3550500
005A4A	47F0 8A5A	05DC6		20375	B CTXLOOPC AND LOOK FOR MORE OPERANDS	K3551000
005A4E	9601 2045	00045		20376	CTXPAUSE OI DCTPPFL,DCTPAUSE SET PRINT/PUNCH TO PAUSE	K3551500
005A52	47F0 8A5A	05DC6		20377	B CTXLOOPC AND LOOK FOR MORE OPERANDS	K3552000
				20378	*****	K3552100
				20379	* SET PRINTER/PUNCH RECORD LIMITS	* K3552200
				20380	*****	K3552300
005A56	4110 1003	00003		20381	CTXLIM LA R1,3(,R1) POINT AT '=' @OZ40627	K3552350
005A5A	45E0 C86C	0086C		20382	BAL LINK,COFLIM BR TO OBTAIN NEW LIMITS @OZ40627	K3552400
005A5E	55F0 8EA4	06210		20383	CL R15,=F'999999' IS LOWER LIMIT VALID ... @OZ40627	K3552420
005A62	0724			20384	BHR R4 BRANCH IF NO @OZ40627	K3552440
005A64	5500 8EA8	06214		20385	CL R0,=F'-1' IS UPPER LIMIT VALID ... @OZ40627	K3552460
005A68	4780 8706	05A72		20386	BE CTXLIMOK BRANCH IF VALID @OZ40627	K3552480

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005A6C	5500 8EA4	06210		20387	CL	R0,=F'999999'	IS UPPER LIMIT VALID ... @OZ40627 K3552500
005A70	0724			20388	BHR	R4	BRANCH IF NO @OZ40627 K3552520
005A72	5000 206C	0006C		20389	CTXLIMOK ST	R0,DCTLIMHI	STORE UPPER LIMIT @OZ40627 K3552540
005A76	50F0 2068	00068		20390	ST	R15,DCTLIMLO	STORE LOWER LIMIT @OZ40627 K3552600
005A7A	47F0 8A56	05DC2		20391	B	CTXLOOPA	BR TO \$POST @OZ40627 K3552700

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20393	*****	K3553000
				20394	* SET/RESET EXPLICIT SPACING FOR A PRINTER *	K3553500
				20395	*****	K3554000
				20396	CTXK NULL COME HERE TO SET CARRIAGE SPC	K3554500
005A7E				20397	+CTXK DS 0H	Z0006000
005A7E	9130 2011	00011		20398	TM DCTDEVTP,DCTPUN TEST FOR PUNCH	K3555000
005A82	0714			20399	BOR WC YES--INVALID TO SET SPACING	K3555500
005A84	95D9 1002	00002		20400	CLI 2(R1),C'R' IS THIS A RESET OPERATION	K3556000
005A88	4780 8740	05AAC		20401	BE CTXKRSET YES--GO HANDLE	K3556500
005A8C	95F3 1002	00002		20402	CLI 2(R1),C'3' NO--CHECK BOUNDS	K3557000
005A90	0724			20403	BHR WC TRIPLE SPCING IS GREATEST	K3557500
005A92	95F1 1002	00002		20404	CLI 2(R1),C'1' SINGLE-SPCING IS SMALLEST	K3558000
005A96	0744			20405	BLR WC ERROR IF LESS THAN	K3558500
005A98	9403 1002	00002		20406	NI 2(R1),X'03' TURN 'OFF' ALL ZONE BITS	K3559000
005A9C	43F0 1002	00002		20407	IC R15,2(,R1) GET READY TO SET SPCING	K3559500
005AA0	94FC 2014	00014		20408	NI DCTFLAGS,255-DCTSPACE FIRST REST PREV SPEC	K3560000
005AA4	44F0 8748	05AB4		20409	EX R15,CTXKSET SET SPCING EXPLICITLY	K3560500
005AA8	47F0 8A5A	05DC6		20410	B CTXLOOPC LOOK FOR MORE OPERANDS	K3561000
005AAC	94FC 2014	00014		20411	CTXKRSET NI DCTFLAGS,255-DCTSPACE RESET SPACING FLAGS	K3561500
005AB0	47F0 8A5A	05DC6		20412	B CTXLOOPC LOOK FOR MORE OPERANDS	K3562000
005AB4	9600 2014	00014		20413	CTXKSET OI DCTFLAGS,*-* **** EXECUTE ONLY ****	K3562500
				20414	*****	K3563000
				20415	* SET TRAIN (UCS) FOR A PRINTER *	K3563500
				20416	*****	K3564000
005AB8	41F0 2040	00040		20417	CTXT LA R15,DCTUCS POINT TO UCS TRAIN SETTING	K3564500
005ABC	4100 0008	00008		20418	LA R0,DCTPPSWT SET CHANGE INDICATOR	K3565000
005AC0	47F0 8784	05AF0		20419	B CTXCCTST TEST FOR INVALID PUNCH	K3565500
				20420	*****	K3566000
				20421	* SET CARRIAGE (FCB) FOR A PRINTER *	K3566500
				20422	*****	K3567000
005AC4	41F0 203C	0003C		20423	CTXC LA R15,DCTFCB POINT TO FCB CARRIAGE SETTING	K3567500
005AC8	4100 0080	00080		20424	LA R0,DCTPPSWC SET CHANGE INDICATOR	K3568000
005ACC	D504 1002	8EFF 00002	0626B	20425	CLC 2(5,R1),=C'RESET' TEST FOR FCB IMAGE RESET	R4 K3568500
005AD2	4770 8784	05AF0		20426	BNE CTXCCTST BR IF NOT	R4 K3569000
005AD6	9180 2047	00047		20427	TM DCTPPSW2,DCTNIPRT TEST FOR 3800 PRINTER	R4 K3569500
005ADA	0784			20428	BZR WC ERROR IF NOT	R4 K3570000
005ADC	D203 F000	8EA0 00000	0620C	20429	MVC 0(4,R15),=C'****' RESET FCB IMAGE ID	R4 K3570500
005AE2	58F0 2000	00000		20430	L R15,DCTPCE GET ASSOCIATED PCE	R4 K3571000
005AE6	D203 F1C4	8EA0 001C4	0620C	20431	MVC PRDFCB-PCEDSECT(4,R15),=C'****' RESET DEFAULT FCB ID	R4 K3571500
005AEC	47F0 8A56	05DC2		20432	B CTXLOOPA GO \$POST AND GET NEXT KEYWORD	R4 K3572000
005AF0	9130 2011	00011		20433	CTXCCTST TM DCTDEVTP,DCTPUN TEST FOR PUNCH DEVICE	K3572500
005AF4	0714			20434	BOR WC BRANCH IN ERROR IF YES	K3573000
005AF6				20435	CTXCCT DS 0H	K3573500
005AF6	9101 2046	00046		20436	TM DCTPPSW,DCTPPSWO TEST FOR OPERATOR ACTION ALLOW	K3574000
005AFA	4710 8796	05B02		20437	BO *+8 BRANCH IF OPERATOR ACTION OK	K3574500
005AFE	45E0 8A82	05DEE		20438	BAL LINK,CTXDEV CHECK FOR IDLE DEVICE	K3575000
005B02				20439	CTXIDVAL DS 0H	R4 K3575500
005B02	4930 8ED2	0623E		20440	CH WB,=H'4' MOVE NO MORE THAN FOUR	K3576000
005B06	07B4			20441	BNLR WC BRANCH IN ERROR IF TOO LONG	K3576500
005B08	58E0 8EAC	06218		20442	L R14,=A(CVALTABL) POINT TO TEST TABLE	R4 K3577000
005B0C	4430 8952	05CBE		20443	EX WB,CTXQVAL TEST FOR VALID FIELD	R4 K3577500
005B10	0774			20444	BNZR WC IF INVALID EXIT IN ERROR	K3578000
005B12	D203 F000	B3F0 00000	003F0	20445	MVC 0(4,R15),\$BLANKS BLANK OUT DCT FIELD @OZ40627	K3578500
005B18	4430 8958	05CC4		20446	CTXEXMVC EX WB,CTXMVC MOVE IN PARAMETER	K3579000
005B1C	1830			20447	LR WB,R0 GET ACTIVITY FLAG	K3579500
005B1E	4430 895E	05CCA		20448	EX WB,CTXOI TURN ON CHANGE FLAG	R4 K3580000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
005B22	4130 0008	00008		20449	LA WB,DCTPPSWT	SET UCS INDICATOR @OZ27012 K3580500
005B26	1503			20450	CLR R0,WB	UCS REQUEST @OZ27012 K3580550
005B28	4770 8880	05BEC		20451	BNE CTXFCBLD	BR IF NO, TEST FCB @OZ27012 K3580575
005B2C	94FB 2046	00046		20452	NI DCTPPSW,255-DCTPPSWU	RESET NON-STD SWITCH @OZ27012 K3580650
005B30	58F0 2000	00000		20453	L R15,DCTPCE	LOAD PRINT PCE ADDR @OZ27012 K3580725
005B34	9180 F0D1	000D1		20454	TM PDEVTYPE+1-PCEDSECT(R15),X'80'	TEST UCS @OZ27012 K3580800
005B38	4780 8880	05BEC		20455	BZ CTXFCBLD	BR IF NOT SUPPORTED @OZ66318 K3580875
005B3C	9180 2047	00047		20456	TM DCTPPSW2,DCTNIPRT	3800 PRINTER @OZ27012 K3580950
005B40	4710 8880	05BEC		20457	BO CTXFCBLD	BRANCH IF YES @OZ27012 K3581000
				20458	\$GETBUF NOBUF	GET BUFFER FOR IMAGELIB @OZ27012 K3581100
005B44	58F0 B020	00020		20459+	L R15,\$GETBUF	GET ADDRESS OF \$GETBUF ROUTINE R4 DF018000
005B48	4110 0020	00020		20460+	LA R1,BUFHASP	SET REQUEST OPTIONS R4 DF030000
005B4C	45E0 F000	00000		20461+	BAL LINK,0(,R15)	ENTER \$GETBUF ROUTINE R4 DF042000
005B50	4780 89BC	05D28		20462+	BC 8,NOBUF	FB008000
005B54	1831			20463	LR WB,R1	LOAD BUFFER INTO R3 @OZ27012 K3581175
			00000	20464	USING BUFDSCT,WB	SET BUFFER ADDRESSABILITY @OZ27012 K3581250
005B56	5000 D08C	0008C		20465	ST R0,COMWORK	SAVE R0 @OZ27012 K3581325
005B5A	D203 3058 8EB0	00058	0621C	20466	MVC BUFSTART(4),=X'0001003A'	BLDL PARAMETER LIST @OZ27012 K3581400
005B60	D203 305C 8EB4	0005C	06220	20467	MVC BUFSTART+4(4),=C'UCS1'	IMAGE PREFIX-1403 USC @OZ27012 K3581500
005B66	D203 3060 2040	00060	00040	20468	MVC BUFSTART+8(4),DCTUCS	USER UCS IMAGE ID @OZ27012 K3581550
005B6C	58F0 2000	00000		20469	L R15,DCTPCE	LOAD PCE ADDRESS @OZ27012 K3581625
005B70	BE27 302D	0002D		20470	STCM WA,7,BUFDCT+1	ENSURE CORRECT DCT ADDR @OZ27012 K3581675
005B74	9508 F0D3	000D3		20471	CLI PDEVBYT3-PCEDSECT(R15),UCB1403	IS IT A 1403 @OZ40627 K3581700
005B78	4780 8820	05B8C		20472	BE CTXUCS01	BRANCH IF YES @OZ27012 K3581775
005B7C	92F3 305F	0005F		20473	MVI BUFBYT7,C'3'	SET PREFIX FOR 3203 @OZ40627 K3581850
005B80	950B F0D3	000D3		20474	CLI PDEVBYT3-PCEDSECT(R15),UCB3203	IS IT A 3203 @OZ40627 K3581860
005B84	4780 8820	05B8C		20475	BE CTXUCS01	BRANCH IF IT IS A 3203 @OZ40627 K3581870
005B88	92F2 305F	0005F		20476	MVI BUFBYT7,C'2'	SET PREFIX FOR 3211 @OZ40627 K3581880
				20477	* JES2 ONLY INITS THREE IMPACT PRINTERS SO GO ON AS 3211	@OZ40627 K3581890
005B8C				20478	CTXUCS01 DS 0H	@OZ27012 K3581925
005B8C	9604 2000	00000		20479	OI DCTSTAT,DCTCIP	TURN ON CMD-IN-PROGRESS @OZ56835 K3581950
005B90	9140 B130	00130		20480	TM \$IMAGECB,X'40'	IS IMAGE LOADER TASK BUSY @OZ27012 K3582000
005B94	47E0 8840	05BAC		20481	BNO CTXUCS02	BRANCH IF NO @OZ27012 K3582075
				20482	\$WAIT IMAG	WAIT FOR IMAGE TASK TO \$\$POST @OZ27012 K3582150
005B98	9280 D050	00050		20483+	MVI PCEEFW,\$EFWPOST	SET INHIBITOR R4 IL046000
005B9C	90EC D00C	0000C		20484+	STM LINK,BASE2,PCELINK	SAVE REGISTERS IN PCE R4 IL058000
005BA0	4110 B478	00478		20485+	LA R1,\$EWQIMAG-(PCEPCEA-PCEDSECT)	POINT TO PCE ZERO R4 IL062000
005BA4	45F0 B018	00018		20486+	BAL R15,\$WAITR	WAIT ON A RESOURCE R4 IL072000
005BA8	47F0 8820	05B8C		20487	B CTXUCS01	TRY AGAIN @OZ27012 K3582225
005BAC				20488	CTXUCS02 DS 0H	@OZ27012 K3582300
005BAC	9280 3028	00028		20489	MVI BUFECBCC,X'80'	SET BUFFER ECB AS WAITING @OZ27012 K3582375
				20490	POST \$IMAGECB,(R3)	POST WITH BUFFER ADDRESS @OZ27012 K3582450
005BB0	1803			20491+	LR 0,R3	. SET POST CODE REG ZERO 01700002
005BB2	4110 B130	00130		20492+	LA 1,\$IMAGECB	. LOAD ECB ADDRESS IN REG 1 03150002
005BB6	0A02			20493+	SVC 2	. ISSUE THE POST SVC 09050002
005BB8				20494	CTXUCS03 DS 0H	@OZ27012 K3582500
				20495	\$WAIT IMAG	WAIT FOR IMAGE TASK TO \$\$POST @OZ27012 K3582600
005BB8	9280 D050	00050		20496+	MVI PCEEFW,\$EFWPOST	SET INHIBITOR R4 IL046000
005BBC	90EC D00C	0000C		20497+	STM LINK,BASE2,PCELINK	SAVE REGISTERS IN PCE R4 IL058000
005BC0	4110 B478	00478		20498+	LA R1,\$EWQIMAG-(PCEPCEA-PCEDSECT)	POINT TO PCE ZERO R4 IL062000
005BC4	45F0 B018	00018		20499+	BAL R15,\$WAITR	WAIT ON A RESOURCE R4 IL072000
005BC8	917F 3028	00028		20500	TM BUFECBCC,X'7F'	TEST STATUS OF LOAD REQ @OZ27012 K3582675
005BCC	4780 884C	05BB8		20501	BZ CTXUCS03	BRANCH IF NOT COMPLETE @OZ27012 K3582750
005BD0	4740 8962	05CCE		20502	BM CTXUCSMS	BR TO NOT FOUND MSG @OZ27012 K3582825
005BD4	9180 3058	00058		20503	TM BUFSTART,X'80'	IS IT A STD UCS IMAGE. . @OZ27012 K3582900
005BD8	4710 8874	05BE0		20504	BO CTXUCSEX	BRANCH IF YES @OZ27012 K3583000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005BDC	9604 2046	00046		20505	OI	DCTPPSW,DCTPPSWU	TURN ON NON-STD SWITCH @OZ27012 K3583050
				20506	DROP	WB	DROP BUFFER ADDRESSIBILITY @OZ27012 K3583125
				20507	CTXUCSEX	\$FREEBUF (WB)	FREE BUFFER @OZ27012 K3583200
005BE0	1813			20508+	CTXUCSEX	LR R1,WB	CJ018000
005BE2	58F0 B024	00024		20509+	L	R15,\$FREEBUF	GET BUFFER 'FREE' ROUTINE ADDRESS R4 C9010000
005BE6	05EF			20510+	BALR	LINK,R15	BR TO FREE SINGLE BUFFER R4 C9014000
005BE8	5800 D08C	0008C		20511	L	R0,COMWORK	RESTORE R0 @OZ27012 K3583275
				20512 *		THIS LINE DELETED BY APAR OZ66318	@OZ66318 K3583300
				20513 *		THIS LINE DELETED BY APAR OZ66318	@OZ66318 K3583350
				20514 *		THIS LINE DELETED BY APAR OZ66318	@OZ66318 K3583425
				20515 *		THIS LINE DELETED BY APAR OZ66318	@OZ66318 K3583500
005BEC	4130 0080	00080		20516	CTXFCBLD	LA WB,DCTPPSWC	SET FCB CHANGE INDICATOR @OZ27012 K3583575
005BF0	1503			20517	CLR	R0,WB	FCB REQUEST. . . @OZ27012 K3583650
005BF2	4770 8A56	05DC2		20518	BNE	CTXLOOPA	BRANCH IF NOT @OZ27012 K3583725
005BF6	58F0 2000	00000		20519	L	R15,DCTPCE	LOAD PRINT PCE ADDR @OZ27012 K3583800
005BFA	9180 2047	00047		20520	TM	DCTPPSW2,DCTNIPRT	3800 PRINTER. . @OZ27012 K3583875
005BFE	4780 88A0	05C0C		20521	BZ	CTXCHUCB	BRANCH IF NOT @OZ27012 K3583950
005C02	D203 F1C4 203C	001C4 0003C		20522	MVC	PRDFCB-PCEDSECT(,R15),DCTFCB UPDATE	3800 FCB @OZ27012 K3584000
005C08	47F0 8A56	05DC2		20523	B	CTXLOOPA	POST JOB @OZ27012 K3584100
005C0C	94DF 2046	00046		20524	CTXCHUCB	NI DCTPPSW,255-DCTPPSWB	TURN OFF NON=STAND SWITCH @OZ27012 K3584175
005C10	9508 F0D3	000D3		20525	CLI	PDEVTYPE+3-PCEDSECT(R15),X'08' IS IT A 1403..	@OZ27012 K3584250
005C14	4770 88BE	05C2A		20526	BNE	CTXTTE	BRANCH IF NOT 1403 @OZ27012 K3584325
005C18	D503 B2F4 203C	002F4 0003C		20527	CLC	\$PRTFCB,DCTFCB	IS IT STD FCB. . . @OZ27012 K3584400
005C1E	4780 8A56	05DC2		20528	BE	CTXLOOPA	BRANCH IF YES @OZ27012 K3584500
005C22	9620 2046	00046		20529	OI	DCTPPSW,DCTPPSWB	TURN ON NON-STD SWITCH @OZ27012 K3584550
005C26	47F0 8A56	05DC2		20530	B	CTXLOOPA	POST JOB @OZ27012 K3584625
				20531	CTXTTE	\$GETBUF NOBUF	GET BUFFER FOR FCB READ @OZ27012 K3584700
005C2A	58F0 B020	00020		20532+	CTXTTE	L R15,\$GETBUF	GET ADDRESS OF \$GETBUF ROUTINE R4 DF018000
005C2E	4110 0020	00020		20533+	LA	R1,BUFHASP	SET REQUEST OPTIONS R4 DF030000
005C32	45E0 F000	00000		20534+	BAL	LINK,0(,R15)	ENTER \$GETBUF ROUTINE R4 DF042000
005C36	4780 89BC	05D28		20535+	BC	8,NOBUF	FB008000
005C3A	1831			20536	LR	WB,R1	LOAD R3 WITH BUFF ADDRESS @OZ27012 K3584775
005C3C	5000 D08C	0008C		20537	ST	R0,COMWORK	SAVE R0 @OZ27012 K3584850
			00000	20538	USING	BUFDSECT,WB	SET BUFFER ADDRESSABILITY @OZ27012 K3584925
005C40	D203 3058 8EB0	00058 0621C		20539	MVC	BUFSTART(4),=X'0001003A' BLDL PARAMETER LIST	@OZ27012 K3585000
005C46	D203 305C 8F17	0005C 06283		20540	MVC	BUFSTART+4(L'FCB2MSG),FCB2MSG IMAGE PREFIX-3211	FCB K3585075
005C4C	D203 3060 203C	00060 0003C		20541	MVC	BUFSTART+8(4),DCTFCB	USER FCB IMAGE ID @OZ27012 K3585150
005C52	58F0 2000	00000		20542	L	R15,DCTPCE	LOAD PRINT PCE ADDR @OZ27012 K3585175
005C56	BE27 302D	0002D		20543	STCM	WA,7,BUFDCT+1	ENSURE CORRECT DCT ADDR @OZ27012 K3585200
005C5A				20544	CTXFCB01	DS	0H @OZ27012 K3585225
005C5A	9604 2000	00000		20545	OI	DCTSTAT,DCTCIP	TURN ON CMD-IN-PROGRESS @OZ56835 K3585250
005C5E	9140 B130	00130		20546	TM	\$IMAGECB,X'40'	IS IMAGE LOADER TASK BUSY @OZ27012 K3585300
005C62	47E0 890E	05C7A		20547	BNO	CTXFCB02	BRANCH IF NO @OZ27012 K3585375
				20548	\$WAIT	IMAG	WAIT FOR IMAGE TASK TO \$\$POST @OZ27012 K3585450
005C66	9280 D050	00050		20549+	MVI	PCEEFW,\$EWFPOST	SET INHIBITOR R4 IL046000
005C6A	90EC D00C	0000C		20550+	STM	LINK,BASE2,PCELINK	SAVE REGISTERS IN PCE R4 IL058000
005C6E	4110 B478	00478		20551+	LA	R1,\$EWQIMAG-(PCEPCEA-PCEDSECT)	POINT TO PCE ZERO R4 IL062000
005C72	45F0 B018	00018		20552+	BAL	R15,\$WAITR	WAIT ON A RESOURCE R4 IL072000
005C76	47F0 88EE	05C5A		20553	B	CTXFCB01	TRY AGIN @OZ27012 K3585500
005C7A				20554	CTXFCB02	DS	0H @OZ27012 K3585600
005C7A	9280 3028	00028		20555	MVI	BUFECBCC,X'80'	SET BUFFER ECB AS WAITING @OZ27012 K3585675
				20556	POST	\$IMAGECB,(R3)	POST WITH BUFFER ADDRESS @OZ27012 K3585750
005C7E	1803			20557+	LR	0,R3	. SET POST CODE REG ZERO 01700002
005C80	4110 B130	00130		20558+	LA	1,\$IMAGECB	. LOAD ECB ADDRESS IN REG 1 03150002
005C84	0A02			20559+	SVC	2	. ISSUE THE POST SVC 09050002
005C86				20560	CTXFCB03	DS	0H @OZ27012 K3585825

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
				20561		\$WAIT IMAG WAIT FOR IMAGE TASK TO \$\$POST @OZ27012 K3585900	
005C86	9280 D050	00050		20562+	MVI	PCEEFW,\$EFWPOST SET INHIBITOR R4 IL046000	
005C8A	90EC D00C	0000C		20563+	STM	LINK,BASE2,PCELINK SAVE REGISTERS IN PCE R4 IL058000	
005C8E	4110 B478	00478		20564+	LA	R1,\$EWQIMAG-(PCEPCEA-PCEDSECT) POINT TO PCE ZERO R4 IL062000	
005C92	45F0 B018	00018		20565+	BAL	R15,\$WAITR WAIT ON A RESOURCE R4 IL072000	
005C96	917F 3028	00028		20566	TM	BUFECBCC,X'7F' TEST STATUS OF LOAD REQ @OZ27012 K3586000	
005C9A	4780 891A	05C86		20567	BZ	CTXFCB03 BRANCH IF NOT COMPLETE @OZ27012 K3586050	
005C9E	4740 898C	05CF8		20568	BM	CTXFCBMS BRANCH IF IMAGE NOT FOUND @OZ27012 K3586125	
005CA2	9180 3058	00058		20569	TM	BUFSTART,X'80' TEST FOR STD IMAGE. . . @OZ27012 K3586200	
005CA6	4710 8942	05CAE		20570	BO	CTXFCBEX BRANCH IF YES @OZ27012 K3586275	
005CAA	9620 2046	00046		20571	OI	DCTPPSW,DCTPPSWB TURN ON NON-STD SWITCH @OZ27012 K3586350	
				20572		DROP WB DROP BUFFER ADDRESSABILITY @OZ27012 K3586425	
				20573	CTXFCBEX	\$FREEBUF (WB) FREE BUFFER @OZ27012 K3586500	
005CAE	1813			20574+	CTXFCBEX LR	R1,WB CJ018000	
005CB0	58F0 B024	00024		20575+	L	R15,\$FREEBUF GET BUFFER 'FREE' ROUTINE ADDRESS R4 C9010000	
005CB4	05EF			20576+	BALR	LINK,R15 BR TO FREE SINGLE BUFFER R4 C9014000	
005CB6	5800 D08C	0008C		20577	L	R0,COMWORK RESTORE R0 @OZ27012 K3586575	
005CBA	47F0 8A56	05DC2		20578	B	CTXLOOPA POST JOB @OZ27012 K3587000	
005CBE	DD00 1002 E000	00002	00000	20579	CTXQVAL TRT	2(*-*,R1),0(R14) *** EXECUTE ONLY *** R4 K3587500	
005CC4	D200 F000 1002	00000	00002	20580	CTXMVC MVC	0(*-*,R15),2(R1) *** EXECUTE ONLY *** R4 K3588000	
005CCA	9600 2046	00046		20581	CTXOI OI	DCTPPSW,*-* *** EXECUTE ONLY *** R4 K3588500	
005CCE				20582	CTXUCSMS DS	0H @OZ27012 K3588520	
			00000	20583		USING BUFDSCT,WB GET BUFFER ADDRESSABILITY @OZ27012 K3588540	
005CCE	D201 3058 8ED6	00058	06242	20584	MVC	BUFSTART(2),=X'000F' MOVE MESSAGE NUMBER @OZ27012 K3588560	
005CD4	D207 305A 2018	0005A	00018	20585	MVC	BUFSTART+2(8),DCTDEVN MOVE DEVICE NAME @OZ27012 K3588580	
005CDA	D219 3062 8F1B	00062	06287	20586	MVC	BUFSTART+10(L'IMAGMSG),IMAGMSG UCS NOT FOUND @OZ40627 K3588600	
005CE0	D203 306E 2040	0006E	00040	20587	MVC	BUFSTART+22(4),DCTUCS MOVE UCS ID @OZ27012 K3588620	
				20588	\$WTO	BUFSTART,36,JOB=NO, ISSUE BUFFER LOAD FAIL MSG @OZ27012*K3588640	
						ROUTE=\$LOG+\$UR,CLASS=\$ACTION,PRI=\$ST @OZ27012 K3588660	
005CE6	4110 3058	00058		20589+	LA	R1,BUFSTART CJ012000	
005CEA	58F0 B0A4	000A4		20590+	L	R15,\$WTO POINT TO SERVICE ROUTINE R4 IP084000	
005CEE	05EF			20591+	BALR	LINK,R15 ENTER SERVICE ROUTINE R4 IP086000	
005CF0	01540524			20592+	DC	AL1(1,\$ACTION+\$ST,\$LOG+\$UR,36) R4 IP088000	
005CF4	47F0 8874	05BE0		20593	B	CTXUCSEX EXIT TO GET NEXT PARAMETER @OZ27012 K3588680	
005CF8				20594	CTXFCBMS DS	0H @OZ27012 K3588700	
			00000	20595		USING BUFDSCT,WB GET BUFFER ADDRESSABILITY @OZ27012 K3588720	
005CF8	D201 3058 8ED6	00058	06242	20596	MVC	BUFSTART(2),=X'000F' MOVE MSG ID @OZ27012 K3588740	
005CFE	D207 305A 2018	0005A	00018	20597	MVC	BUFSTART+2(8),DCTDEVN MOVE DEVICE NAME @OZ27012 K3588760	
005D04	D219 3062 8F1B	00062	06287	20598	MVC	BUFSTART+10(L'IMAGMSG),IMAGMSG FCB NOT FOUND @OZ40627 K3588780	
005D0A	D202 3063 8F17	00063	06283	20599	MVC	BUFSTART+10+1(L'FCBMSG),FCBMSG SET FCB NOT FOUND @OZ40627 K3588790	
005D10	D203 306E 203C	0006E	0003C	20600	MVC	BUFSTART+22(4),DCTFCB MOVE FCB ID @OZ27012 K3588800	
				20601	\$WTO	BUFSTART,36,JOB=NO, ISSUE BUFFER LOAD FAIL MSG @OZ27012*K3588820	
						ROUTE=\$LOG+\$UR,CLASS=\$ACTION,PRI=\$ST @OZ27012 K3588840	
005D16	4110 3058	00058		20602+	LA	R1,BUFSTART CJ012000	
005D1A	58F0 B0A4	000A4		20603+	L	R15,\$WTO POINT TO SERVICE ROUTINE R4 IP084000	
005D1E	05EF			20604+	BALR	LINK,R15 ENTER SERVICE ROUTINE R4 IP086000	
005D20	01540524			20605+	DC	AL1(1,\$ACTION+\$ST,\$LOG+\$UR,36) R4 IP088000	
005D24	47F0 8942	05CAE		20606	B	CTXFCBEX BR TO GET NEXT PARAMETER @OZ27012 K3588860	
				20607	NOBUF \$WTO	COMNFCB,COMFCBL,JOB=NO, BUFFER SHORTAGE MSG @OZ27012*K3588880	
						ROUTE=\$LOG+\$UR,CLASS=\$NORMAL,PRI=\$ST @OZ27012 K3588900	
005D28	4110 89CE	05D3A		20608+	NOBUF LA	R1,COMNFCB CJ012000	
005D2C	58F0 B0A4	000A4		20609+	L	R15,\$WTO POINT TO SERVICE ROUTINE R4 IP084000	
005D30	05EF			20610+	BALR	LINK,R15 ENTER SERVICE ROUTINE R4 IP086000	
005D32	01340528			20611+	DC	AL1(1,\$NORMAL+\$ST,\$LOG+\$UR,COMFCBL) R4 IP088000	
005D36	47F0 8A56	05DC2		20612	B	CTXLOOPA POST JOB @OZ27012 K3588920	
				20613	COMNFCB \$MSG	000,'NO BUFFERS TO DETERMINE IF STD UCS/FCB' @OZ27012 K3588940	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005D3A				20614	+\$MID000A DC	0AL4(\$MID000A) MESSAGE IDENTIFIER	EU056000
005D3A	000FD5D640C2E4C6			20615	+COMNFCB DC	0CL40' ',X'000F',C'NO BUFFERS TO DETERMINE IF STD UCS/FCXE0028000	
005D42	C6C5D9E240E3D640				+	B'	
		00028	20616	COMFCBL	EQU	*-COMNFCB	@OZ27012 K3588960

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20618	*****	K3589500
				20619	* SET STRING OF AVAILABLE SYSOUT CLASS(ES) FOR PRT/PUN	* K3590000
				20620	*****	K3590500
005D62	1FFF			20621	CTXQ SLR R15,R15 CHECK	R4 K3591000
005D64	43F0 B319	00319		20622	IC R15,\$NUMCLAS FOR	R4 K3591500
005D68	153F			20623	CLR WB,R15 TOO LONG	R4 K3592000
005D6A	07B4			20624	BNLR WC EXIT IF TOO LONG	K3592500
005D6C	58E0 8EB8	06224		20625	L R14,=A(CVALIDTB) POINT TO TEST TABLE	R4 K3593000
005D70	4430 8A20	05D8C		20626	EX WB,CTXQVALD CHECK FOR VALID CLASSES	K3593500
005D74	0774			20627	BNZR WC ERROR IF NOT (A-Z) OR (0-9)	K3594000
005D76	41E0 2074	00074		20628	LA R14,DCTCLASS MOVE	R4 K3594500
005D7A	4100 1002	00002		20629	LA R0,2(,R1) CLASS	R4 K3595000
005D7E	4110 3001	00001		20630	LA R1,1(,WB) STRING	R4 K3595500
005D82	BF18 B3F0	003F0		20631	ICM R1,8,\$BLANKS TO @OZ40627	K3596000
005D86	0EE0			20632	MVCL R14,R0 DCT	R4 K3596500
005D88	47F0 8A56	05DC2		20633	B CTXLOOPA . GO POST THE JOB	K3597000
005D8C	DD00 1002 E000	00002 00000		20634	CTXQVALD TRT 2(*-,R1),0(R14) *** EXECUTE ONLY ***	R4 K3597500
				20635	*****	K3598000
				20636	* SET ROUTE CODE THIS PRINTER/PUNCH WILL PROCESS	* K3598500
				20637	*****	K3599000
005D92	9140 D070	00070		20638	CTXR TM COMFLAG,CMBFLAGW WAS COMMAND ENTERED FROM REMOTE	R4 K3599500
005D96	0714			20639	BOR WC ERROR EXIT IF YES	R4 K3600000
005D98	45E0 C978	00978		20640	BAL LINK,COFRTA CONVERT DESTINATION	R4 K3600500
005D9C	47F0 4000	00000		20641	B 0(,WC) ERROR EXIT + 0	R4 K3601000
005DA0	1901			20642	CR R0,R1 SAME + 4	R4 K3601500
005DA2	0774			20643	BNER WC ERROR EXIT	R4 K3602000
005DA4	4000 2012	00012		20644	STH R0,DCTNO STORE NEW DEVICE ROUTE CODE	K3606000
005DA8	47F0 8A56	05DC2		20645	B CTXLOOPA GO \$POST JOT, LOOK FOR MORE	K3606500
				20646	*****	K3607000
				20647	* SET FORMS FOR PRINTER OR PUNCH	* K3607500
				20648	*****	K3608000
005DAC	41F0 2038	00038		20649	CTXF LA R15,DCTFORMS POINT TO FORMS	K3608500
005DB0	4100 0040	00040		20650	LA R0,DCTPPSWF SET OPERATOR CONTROL	K3609000
005DB4	D504 1002 8F04	00002 06270		20651	CLC 2(5,R1),=C'AUTOM' CHECK FOR AUTOMATIC FORMS	K3609500
005DBA	4770 878A	05AF6		20652	BNE CTXCCT FILL IN DATA IF NOT	K3610000
005DBE	94BF 2046	00046		20653	NI DCTPPSW,255-DCTPPSWF ALLOW AUTOMATIC FORMS	K3610500
				20654	* OPERATOR CAN RELINQUISH FORMS CONTROL ANY TIME	K3611000
				20655	CTXLOOPA \$POST \$HASPECF,(JOB,JOT) POST JOB AND JOT	K3611500
				20656+	* THIS CARD DELETED BY APAR @OZ27300	FX120000
005DC2	945F B4B1	004B1		20657+	CTXLOOPA NI \$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT RESET EVENTS	FX152000
005DC6	8756 8532	0589E		20658	CTXLOOPC BXLE WD,WE,CTXLOOP GET NEXT OPERAND	K3612000
				20659	DROP WA DROP DCT ADDRESSABILITY	K3613000
005DCA	1832			20660	LR WB,WA PUT DCT IN NON-USED REGISTER	K3613500
			00000	20661	USING DCTDSECT,WB DCT ADDRESSABILITY	K3614000
005DCC	9104 3000	00000		20662	TM DCTSTAT,DCTCIP IS CMD-IN-PROGRESS... @OZ56835	K3614100
005DD0	4780 8A70	05DDC		20663	BZ CTXDISP BR IF NO @OZ56835	K3614200
005DD4	94FB 3000	00000		20664	NI DCTSTAT,FF-DCTCIP TURN OFF CMD-IN-PROGRESS @OZ56835	K3614300
				20665	\$POST \$HASPECF,(JOB,JOT) POST JOB AND JOT @OZ56835	K3614400
				20666+	* THIS CARD DELETED BY APAR @OZ27300	FX120000
005DD8	945F B4B1	004B1		20667+	NI \$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT RESET EVENTS	FX152000
				20668	CTXDISP \$CFDCTD DCT=(WB),EXT=YES,ENTRY=COFDVDSP DISPLAY DEVICE	K3614500
005DDC	1813			20669+	CTXDISP LR R1,WB	CJ018000
005DDE	BF18 8F09	06275		20670+	ICM R1,8,=X'0F' INDICATE EXTENDED DCT DISPLAY R41	K0258000
005DE2	5880 8EBC	06228		20671+	L BASE3,=A(COFDCTD) GET ADDRESS OF DCT DISPLAY RTN R4	K0259000
005DE6	0528			20672+	BALR WA,BASE3 CALL DISPLAY ROUTINE R4	K0259500
005DE8	0A7C			20673+	DC Y(*-HASPCDV1) ADDRESSABILITY ADJUSTMENT R4	K0260000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005DEA	47F0 80A0	0540C		20675	B	CBXTRUND	AND EXIT \$TDEVICE COMMAND K3615500
				20676	DROP	WB	DROP DCT ADDRESSABILITY K3616000
		00000		20677	USING	DCTDSECT,WA	DCT ADDRESSABILITY K3616500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
					20679	*****	K3623000
					20680	* TEST FOR ACTIVE PRINT/PUNCH DEVICE *	K3623500
					20681	*****	K3624000
005DEE	9180	2000	00000		20682	CTXDEV TM DCTSTAT,DCTINUSE TEST FOR ACTIVE DEVICE	K3624500
005DF2	078E				20683	BZR LINK NO -- RETURN 'OK' TO MODIFY	K3625000
005DF4	D207	D0B6 2018	000B6 00018		20684	MVC COMMAND(8),DCTDEVN SET NAME	K3625500
005DFA	D206	D0BE 8F0A	000BE 06276		20685	MVC COMMAND+8(7),=C' IN USE' MOVE IN DIAGNOSTIC	K3626000
					20686	\$CRET L=15 SEND DIAGNOSTIC AND EXIT	K3626500
005E00					20687+	DS 0H	Z0006000
005E00	4100	000F	0000F		20688+	LA R0,15	K0124500
005E04	41F0	0008	00008		20689+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
005E08	47F0	C1AC	001AC		20690+	B CORET RETURN	K0137500
					20691	*****	K3626600
					20692	* SET COMPACTION TABLE NUMBER FOR PRT/PUN *	K3626700
					20693	*****	K3626800
005E0C	9101	2023	00023		20694	CTXZ TM MDCTFEAT-DCTDSECT(WA),DCTPCPCT TEST IF SUPPORTED	R41 K3626900
005E10	0784				20695	BZR WC NO, ERROR EXIT	R41 K3627000
					20696	\$CFCVB POINTER=(WD),NOK=(WC) CONVERT COMPACTION NO TO BIN	R41 K3627100
005E12					20697+	DS 0H	Z0006000
005E12	1815				20698+	LR R1,WD	CJ018000
005E14	45E0	C456	00456		20699+	BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
005E18	47F0	4000	00000		20700+	B 0(,WC) BRANCH IF INVALID OPERAND	K0199000
005E1C	4900	8ED8	06244		20701	CH R0,=H'99' TEST IF COMPACTION NB UNDER 99	R41 K3627200
005E20	0724				20702	BHR WC NO,ERROR	R41 K3627300
005E22	4200	2062	00062		20703	STC R0,DCTDCPTN STORE COMPACTION NB IN DCT	R41 K3627400
005E26	47F0	8A5A	05DC6		20704	B CTXLOOPC LOOK FOR OTHER OPERANDS	R41 K3627500
					20706	*****	K3627700
					20707	* PROCESS \$TRMTN,A=Y/N,D=NNNN *	K3627800
					20708	*****	K3627900
005E2A					20709	CTXRMT DS 0H	R41 K3628000
					20710	DROP WA	R41 K3628100
			00000		20711	USING RATDSECT,WA RAT ADDRESSABILITY	R41 K3628200
005E2A	4140	8052	053BE		20712	LA WC,CBXINVO SET ERROR EXIT ADDRESS	R41 K3628300
005E2E	8656	8052	053BE		20713	BXH WD,WE,CBXINVO IF NO CORRESPONDING PARM, EXIT	R41 K3628400
005E32					20714	CTXRLOOP DS 0H	R41 K3628500
005E32	5810	5000	00000		20715	L R1,0(0,WD) PICK UP OPERAND ADDRESS	R41 K3628600
005E36	9109	D070	00070		20716	TM COMFLAG,CMBFLAGR+CMBFLAGS TEST FOR RESTRICTED CNSL	R41 K3628700
005E3A	0774				20717	BNZR WC YES, INVALID TO SET REMOTE	R41 K3628800
005E3C	957E	1001	00001		20718	CLI 1(R1),C'=' CHECK PROPER FORMAT	R41 K3628900
005E40	0774				20719	BNER WC NO, ERROR	R41 K3629000
					20720	\$CFSEL (A,CTXRMTA),(D,CTXRMTD)	R41 K3629100
005E42					20721+	DS 0H	Z0006000
005E42	95C1	1000	00000		20722+	CLI 0(R1),C'A' TEST CHARACTER	R4 K1097000
005E46	4780	8AE8	05E54		20723+	BE CTXRMTA BR IF MATCH	R4 K1097500
005E4A	95C4	1000	00000		20724+	CLI 0(R1),C'D' TEST CHARACTER	R4 K1097000
005E4E	4780	8B16	05E82		20725+	BE CTXRMTD BR IF MATCH	R4 K1097500
005E52	07F4				20726	BR WC ERROR, UNKNOWN OPERAND	R41 K3629200
005E54					20728	CTXRMTA DS 0H	R41 K3629400
005E54	9181	2012	00012		20729	TM RATYPE,DCTPLU1 IS THIS AN SNA REMOTE	R41 K3629500
005E58	07E4				20730	BNOR WC NO, ERROR	R41 K3629600
005E5A	95E8	1002	00002		20731	CLI 2(R1),C'Y' IS THIS A=Y	R41 K3629700
005E5E	4770	8B08	05E74		20732	BNE CTXRMTA1 NO CHECK MORE	R41 K3629800
005E62	9680	2020	00020		20733	OI RATFLAGS,RATALM YES, INDICATE IN RAT	R41 K3629900
005E66	B205	D090	00090		20734	STCK COMDWORK STORE CLOCK VALUE	R41 K3630000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
005E6A	D203 2024 D090	00024	00090	20735	MVC	RATIMER,COMDWORK AND MOVE INTO RAT	R41 K3630100
005E70	47F0 8B48	05EB4		20736	B	CTXPOSTX GO POST MLLM	R41 K3630200
005E74				20737	CTXRMTA1 DS	0H	R41 K3630300
005E74	95D5 1002	00002		20738	CLI	2(R1),C'N' IS THIS A=N	R41 K3630400
005E78	0774			20739	BNER WC	NO, ERROR - NEITHER Y OR N	R41 K3630500
005E7A	947F 2020	00020		20740	NI	RATFLAGS,255-RATALM YES, INDICATE IN RAT	R41 K3630600
005E7E	47F0 8B48	05EB4		20741	B	CTXPOSTX GO POST MLLM	R41 K3630700
005E82				20743	CTXRMTD DS	0H	R41 K3630900
				20744		\$CFCVB POINTER=(WD),NOK=CBXINVO CONVERT D=NNNN	R41 K3631000
005E82				20745+	DS	0H	Z0006000
005E82	1815			20746+	LR	R1,WD	CJ018000
005E84	45E0 C456	00456		20747+	BAL	LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
005E88	47F0 8052	053BE		20748+	B	CBXINVO BRANCH IF OPERAND INVALID	K0196500
005E8C	4900 8EDA	06246		20749	CH	R0,=H'8160' CHECK MAX CHANGE	R41 K3631100
005E90	0724			20750	BHR WC	ERROR IF TOO MUCH	R41 K3631200
005E92	4A00 8EDC	06248		20751	AH	R0,=H'31' ROUND TO MULTIPLE OF 32	R41 K3631300
005E96	8800 0005	00005		20752	SRL	R0,5 DIVIDE BY 32	R41 K3631400
005E9A	9500 2021	00021		20753	CLI	RATIDINV,X'00' CHECK FOR NO INTERVAL	R41 K3631500
005E9E	4780 8B40	05EAC		20754	BE	CTXRMTD1 NO INTERVAL, ALLOW MAX CHANGE	R41 K3631600
005EA2	1200			20755	LTR	R0,R0 CHECK FOR ZERO	R41 K3631700
005EA4	0784			20756	BZR WC	YES ERROR	R41 K3631800
005EA6	BD01 2021	00021		20757	CLM	R0,1,RATIDINV CHECK INTERVAL BEING SET	R41 K3631900
005EAA	0724			20758	BHR WC	CANT BE GT INITIAL INTERVAL	R41 K3632000
005EAC	4200 2019	00019		20759	CTXRMTD1 STC	R0,RATDINTV PUT IN RAT	R41 K3632100
005EB0	47F0 8B68	05ED4		20760	B	CTXLOOPX CHECK IF MORE	R41 K3632200
005EB4	58F0 B488	00488		20762	CTXPOSTX L	R15,\$MLLMPCE TELL LINE MANAGER ABOUT WORK	R41 K3632400
005EB8	9604 F0AA	000AA		20763	OI	MSCANREQ-PCEDSECT(R15),MSCNRAT REQUEST RAT SCAN	R41 K3632500
				20764	\$POST	(R15),WORK	R41 K3632600
005EBC	94EF F050	00050		20765+	NI	PCEEFW-PCEDSECT(R15),255-\$EWFWORK RESET INHIBITS	FX074000
005EC0	4770 8B68	05ED4		20766+	BNZ	*+20 SKIP QUEUEING IF INHIBITED	FX076000
005EC4	90E3 B388	00388		20767+	STM	LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
005EC8	411F 0000	00000		20768+	LA	R1,0(R15) POINT TO PCE	FX086000
005ECC	45E0 B01C	0001C		20769+	BAL	LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
005ED0	98E3 B388	00388		20770+	LM	LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000
005ED4				20771	CTXLOOPX DS	0H	R41 K3632700
005ED4	8756 8AC6	05E32		20772	BXLE	WD,WE,CTXRLOOP LOOP IF MORE OPERANDS	R41 K3632800
005ED8	1112			20773	LNR	R1,WA LOAD -RAT ADDR FOR DISPLAY	R41 K3632900
				20774	\$CFDCTD	DCT=(R1),EXT=SET DISPLAY RAT INFO	R41 K3633000
005EDA	5880 8EBC	06228		20775+	L	BASE3,-A(COFDCTD) GET ADDRESS OF DCT DISPLAY RTN	R4 K0259000
005EDE	0528			20776+	BALR	WA,BASE3 CALL DISPLAY ROUTINE	R4 K0259500
005EE0	0B74			20777+	DC	Y(*-HASPCDV1) ADDRESSABILITY ADJUSTMENT	R4 K0260000
005EE2	47F0 80A0	0540C		20778	B	CBXTRUND RETURN	R41 K3633100
				20780	DROP	WA RELEASE RAT ADDRESSABILITY	R41 K3633300

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20782	*****	K3633500
				20783	*	* K3633600
				20784	* PROCESS \$T READER COMMAND	* K3633700
				20785	*	* K3633800
				20786	*****	K3633900
005EE6				20787	CTXRDR DS 0H CHANGE A READER	K3634000
		00000		20788	USING DCTDSECT,WA DCT ADDRESSABILITY	R41 K3634100
				20789	\$CFSEL (A,CTXRDR), (C,CTXRDR), (H,CTXRDRH), (P,CTXRDRP), (Q,CTXRDRQ), (S,CTXRDRS), (U,CTXRDRU)	CK3634700 K3634800
005EE6				20790+	DS 0H	Z0006000
005EE6	0700			20791+	CNOP 0,4 INSURE ALINGMENT	K1085500
005EE8	45F0 8B9E	05F0A		20792+	BAL R15,COF0860T PICK UP TABLE FOR SELECTION	K1086000
005EEC	C1005F10			20793+	DC CL1 'A',AL3(CTXRDR)	K1088000
005EF0	C3005F48			20794+	DC CL1 'C',AL3(CTXRDR)	K1088000
005EF4	C8005F74			20795+	DC CL1 'H',AL3(CTXRDRH)	K1088000
005EF8	D70060B2			20796+	DC CL1 'P',AL3(CTXRDRP)	K1088000
005EFC	D8005F50			20797+	DC CL1 'Q',AL3(CTXRDRQ)	K1088000
005F00	E2005F96			20798+	DC CL1 'S',AL3(CTXRDRS)	K1088000
005F04	E40060BA			20799+	DC CL1 'U',AL3(CTXRDRU)	K1088000
005F08	FF			20800+	DC X'FF' END OF SELECT TABLE	K1089000
005F09	00					
005F0A	45E0 CA48	00A48		20801+	COF0860T BAL LINK,COFSEL SELECT ROUTINE	K1089500
005F0E	07F4			20802	BR WC BRANCH IF NOT FOUND	K3636000
				20803	*****	K3636500
				20804	* SET LOCAL CARD READER COMMAND AUTHORITY	* K3637000
				20805	*****	K3637500
005F10				20806	CTXRDR DS 0H CHANGE A READERS AUTHORITY	K3638000
005F10	9512 2011	00011		20807	CLI DCTDEVTP,DCTRJR INSURE NOT A REMOTE RDR	K3638500
005F14	0784			20808	BER WC RMT RDR -- ERROR	K3639000
005F16	9130 D070	00070		20809	TM COMFLAG,CMBFLAGU+CMBFLAGT READER CONSOLE	R4 K3639500
005F1A	0784			20810	BZR WC YES-RDR CANNOT SET ANOTHER	K3640000
005F1C	9101 D07F	0007F		20811	TM COMAUTH,COMS CONSOLE LACK SYSTEM AUTHORITY	R4 K3640500
005F20	0714			20812	BOR WC YES-- ERROR	K3641000
				20813	CTXRDR AA \$CFCVB POINTER=(WD),NUM=1,NOK=(WC) CONVERT AUTHORITY	K3641500
005F22				20814+	CTXRDR AA DS 0H	Z0006000
005F22	1815			20815+	LR R1,WD	CJ018000
005F24	45E0 C456	00456		20816+	BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
005F28	47F0 4000	00000		20817+	B 0(,WC) BRANCH IF INVALID OPERAND	K0199000
005F2C	4900 8EDE	0624A		20818	CH R0,=H'7' CHECK FOR MAX AUTH	K3642000
005F30	0724			20819	BHR WC HIGHER-- ERROR	K3642500
005F32	9607 203D	0003D		20820	OI DCTRAUTH,COMJDS RESTRICT RDR COMPLETELY	K3643000
005F36	18F0			20821	LR R15,R0 GET GOOD REG FOR 'EX'	K3643500
005F38	44F0 8BD8	05F44		20822	EX R15,CTXSETA SET NEW AUTHORITY	K3644000
005F3C	45E0 8D1A	06086		20823	BAL R14,CTXLOOPR GO TEST FOR INTERNAL RDR CHANGE	K3644500
005F40	47F0 8A5A	05DC6		20824	B CTXLOOPC AND GET NEXT OPERAND	K3645000
005F44	9700 203D	0003D		20825	CTXSETA XI DCTRAUTH,*-*	**** EXECUTE ONLY **** K3645500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				20827	*****	K3646500
				20828	* SET READER'S DEFAULT JOB CLASS *	K3647000
				20829	*****	K3647500
005F48				20830	CTXRDRD DS 0H CHANGE RDR DEFAULT JOB CLASS	K3648000
005F48	41F0 203E		0003E	20831	LA R15,DCTJCLAS POINT TO FIELD TO CHANGE	K3648500
005F4C	47F0 8BEE		05F5A	20832	B CTRXRDRDQ GO CHECK SOURCE CLASS	K3649000
				20833	*****	K3649500
				20834	* SET READER'S DEFAULT MESSAGE CLASS *	K3650000
				20835	*****	K3650500
005F50				20836	CTXRDRDQ DS 0H CHANGE RDR DEFAULT MSG CLASS	K3651000
005F50	9514 2011		00011	20837	CLI DCTDEVTP,DCTINR INVALID TO SET DEFAULT MSG	K3651500
005F54	0784			20838	BER WC CLASS FOR INTERNAL READER	K3652000
005F56	41F0 203F		0003F	20839	LA R15,DCTMCLAS POINT TO FIELD TO CHANGE	K3652500
005F5A				20840	CTXRDRDQ DS 0H COMMON ROUTINE FOR READER CHANGE	K3653000
005F5A	58E0 8EB8		06224	20841	L R14,=A(CVALIDTB) POINT TO TEST TABLE R4	K3653500
005F5E	DD00 1002 E000		00002 00000	20842	TRT 2(L'DCTJCLAS,R1),0(R14) CHECK FOR VALID CLASS R4	K3654000
005F64	0774			20843	BNZR WC NO -- ERROR	K3654500
005F66	D200 F000 1002		00000 00002	20844	MVC 0(L'DCTMCLAS,R15),2(R1) SET NEW CLASS AS IS IN R15	K3655000
005F6C	45E0 8D1A		06086	20845	BAL R14,CTXLOOPR GO TEST FOR INTERNAL READER	K3655500
005F70	47F0 8A5A		05DC6	20846	B CTXLOOPC AND GET NEXT OPERAND	K3656000
				20848	*****	K3657000
				20849	* SET READER TO HOLD/RELEASE INCOMING JOBS *	K3657500
				20850	*****	K3658000
005F74				20851	CTXRDRH DS 0H SET READER TO HOLD/RELEASE JOBS	K3658500
005F74	95D5 1002		00002	20852	CLI 2(R1),C'N' TEST FOR RESET HOLD OPTION	K3659000
005F78	4780 8C1E		05F8A	20853	BE CTRXRDRR YES--GO TO IT	K3659500
005F7C	95E8 1002		00002	20854	CLI 2(R1),C'Y' TEST FOR REQUEST TO HOLD READER	K3660000
005F80	0774			20855	BNER WC NO--ERROR	K3660500
005F82	9604 2014		00014	20856	OI DCTFLAGS,DCTHOLDJ SET HOLDING BIT 'ON'	K3661000
005F86	47F0 8C22		05F8E	20857	B CTRXRDRDND EXIT	K3661500
005F8A				20858	CTXRDRR DS 0H RELEASE READER FROM HOLDING JOBS	K3662000
005F8A	94FB 2014		00014	20859	NI DCTFLAGS,255-DCTHOLDJ RESET HOLDING BIT TO 'OFF'	K3662500
005F8E				20860	CTXRDRDND DS 0H EXIT ROUTINE	K3663000
005F8E	45E0 8D1A		06086	20861	BAL R14,CTXLOOPR GO TEST FOR INTERNAL READER	K3663500
005F92	47F0 8A5A		05DC6	20862	B CTXLOOPC AND GET NEXT OPERAND	K3664000
				20863	*****	K3664500
				20864	* SET DEFAULT SYSTEM AFFINITY FOR READER *	K3665000
				20865	*****	K3665500
005F96				20866	CTXRDRS DS 0H SET DEFAULT SYSTEM AFFINITY	K3666000
005F96	10A6			20867	LPR R10,WE ASSUME ADDITION TO AFFINITY	K3666500
005F98	954E 1002		00002	20868	CLI 2(R1),C'+' CHECK FOR SAME	K3667000
005F9C	4780 8C42		05FAE	20869	BE CTRXRSCHG YES--ADD SELECTED AFFINITIES	K3667500
005FA0	11AA			20870	LNR R10,R10 ASSUME DELETION FROM AFFINITIES	K3668000
005FA2	9560 1002		00002	20871	CLI 2(R1),C'-' TEST FOR SAME	K3668500
005FA6	4780 8C42		05FAE	20872	BE CTRXRSCHG YES--FIND AFFINITIES TO DELETE	K3669000
005FAA	1FAA			20873	SLR R10,R10 SET NO ADDITION OR DELETION	K3669500
005FAC	0610			20874	BCTR R1,0 PT BACK ONE FOR NEXT ADDITION	K3670000
005FAE				20875	CTXRSCHG DS 0H FIND DESIRED AFFINITIES	K3670500
005FAE	9200 D098		00098	20876	MVI CTRXRSIAF,0 SET AFFINITIES TO ZERO	K3671000
005FB2	4110 1003		00003	20877	LA R1,3(,R1) POINT TO FIRST SID CHARACTER	K3671500
005FB6				20878	CTXRSLP1 DS 0H TEST FOR AFFINITY	K3672000
005FB6	D502 1000 8F11		00000 0627D	20879	CLC 0(3,R1),=C'ANY' TEST FOR AFFINITY OF 'ANY'	K3672500
005FBC	4770 8C5E		05FCA	20880	BNE CTRXRSIND NO--TRY FOR INDY MODE OPERATION	K3673000
005FC0	967F D098		00098	20881	OI CTRXRSIAF,QUESYSAF YES--FLAG ANY AFFINITY	K3673500
005FC4	1FAA			20882	SLR R10,R10 SET NO ADDITION OR DELETION	K3674000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22	
005FC6	47F0	8C92		05FFE	20883	B	CTXRSLP4	AND TRY FOR MORE OPERANDS	K3674500	
005FCA					20884	CTXRSIND DS	0H	TEST FOR INDEPENDENT MODE DESIRED	K3675000	
005FCA	D502	1000	8F14	00000	06280	20885	CLC 0(3,R1),=C'IND'	TEST FOR 'IND' MODE	K3675500	
005FD0	4770	8C70		05FDC	20886	BNE	CTXRSLP2	NO--TRY FOR SPECIFIC SID	K3676000	
005FD4	9680	D098		00098	20887	OI	CTXRSIAF,QUEINDAF	YES--SET READER AS SUCH	K3676500	
005FD8	47F0	8C92		05FFE	20888	B	CTXRSLP4	AND TRY FOR MORE OPERANDS	K3677000	
005FDC					20889	CTXRSLP2 DS	0H	TEST FOR SPECIFIC SID GIVEN	K3677500	
005FDC	58F0	B1DC		001DC	20890	L	R15,\$QSE1	POINT TO 1ST QSE R4	K3678000	
					20891	*		THIS CARD DELETED BY APAR @OZ27300	K3678500	
				00000	20892		USING QSEIDSECT,R15	QSE ADDRESSABILITY	K3679000	
					20893	*		THIS CARD DELETED BY APAR @OZ27300	K3679500	
005FE0	D503	F008	1000	00008	00000	20894	CTXRSLP3 CLC QSESID,0(R1)	TEST FOR MATCH WITH OPERAND @OZ27300	K3680000	
005FE6	4780	8C8C		05FF8	20895	BE	CTXRSFND	YES--SET AFFINITY AS SUCH	K3680500	
005FEA	9101	F012		00012	20896	TM	QSEFLAGS,QSELAST	TEST FOR LAST ELEMENT	K3681000	
005FEE	41F0	F014		00014	20897	LA	R15,QSELEN(,R15)	BUMP TO NEXT QSE @OZ27300	K3681100	
005FF2	4780	8C74		05FE0	20898	BZ	CTXRSLP3	NOT LAST QSE, LOOP FOR MATCH	K3681500	
005FF6	07F4				20899	BR	WC	NOT FOUND -- ERROR	K3682000	
005FF8					20901	CTXRSFND DS	0H	SID WAS FOUND TO MATCH OPERAND	K3683000	
005FF8	D600	D098	F00D	00098	0000D	20902	OC	CTXRSIAF,QSESIAFF	FLAG THIS AFFINITY	K3683500
005FFE	8756	8CB0		0601C	20904	CTXRSLP4 BXLE	WD,WE,CTXRSLP5	LOOP THROUGH ALL OPERANDS	K3684500	
006002	9180	D098		00098	20905	TM	CTXRSIAF,QUEINDAF	IF END TEST FOR 'IND' ON	K3685000	
006006	4780	8CBC		06028	20906	BZ	CTXRSFIN	NO--FORGET OTHER TESTS	K3685500	
00600A	917F	D098		00098	20907	TM	CTXRSIAF,255-QUEINDAF	TEST FOR 'IND' 'ON' BY ITSELF	K3686000	
00600E	4770	8CBC		06028	20908	BNZ	CTXRSFIN	OTHERS 'ON' --OK	K3686500	
006012	12AA				20909	LTR	R10,R10	MAKE SURE DESIRE IS 'OFF' OR 'ON'	K3687000	
006014	4770	8CBC		06028	20910	BNZ	CTXRSFIN	YES--'OK' AS IS	K3687500	
006018	1F56				20911	SLR	WD,WE	NO--POINT TO BAD OPERAND	K3688000	
00601A	07F4				20912	BR	WC	AND EXIT IN ERROR	K3688500	
00601C					20913	CTXRSLP5 DS	0H	MORE OPERANDS TEST FOR MORE SID'S	K3689000	
00601C	5810	5000		00000	20914	L	R1,0(,WD)	PT TO NEXT OPERAND	K3689500	
006020	957E	1001		00001	20915	CLI	1(R1),C'='	CHECK FOR NOT SID BUT NEW OPERAND	K3690000	
006024	4770	8C4A		05FB6	20916	BNE	CTXRSLP1	NO--TRY FOR NEXT SID MATCH	K3690500	
006028					20917	CTXRSFIN DS	0H	SET NEW DEFAULT AFFINITIES	K3691000	
006028	1F56				20918	SLR	WD,WE	POINT BACK TO OPERAND	K3691500	
00602A	12AA				20919	LTR	R10,R10	TEST FOR TYPE OF CHANGE	K3692000	
00602C	4740	8CD6		06042	20920	BM	CTXRSMIN	IF SUBTRACTION -- BRANCH	K3692500	
006030	4720	8CCC		06038	20921	BP	CTXRSPLS	IF ADDITION -- BRANCH	K3693000	
006034	9200	203C		0003C	20922	MVI	DCTSIAFF,0	SET AFFINITIES TO 'NONE'	K3693500	
006038	D600	203C	D098	0003C	00098	20923	CTXRSPLS OC	DCTSIAFF,CTXRSIAF	SET NEW AFFINITIES	K3694000
00603E	47F0	8D0A		06076	20924	B	CTXRSEND	AND EXIT	K3694500	
006042					20925	CTXRSMIN DS	0H	REMOVE SELECTED AFFINITIES	K3695000	
006042	41A0	00FF		000FF	20926	LA	R10,255	SET REGISTER TO ALL BITS 'ON'	K3695500	
006046	1F00				20927	SLR	R0,R0	ZERO INSERT REGISTER	K3696000	
006048	4300	D098		00098	20928	IC	R0,CTXRSIAF	PICK-UP AFFINITIES TO DELETE	K3696500	
00604C	1FA0				20929	SLR	R10,R0	COMPUTE BITS TO BE LEFT 'ON'	K3697000	
00604E	44A0	8D12		0607E	20930	EX	R10,CTXRAFOF	DELETE SELECTED AFFINITIES	K3697500	
006052	58F0	B1DC		001DC	20931	L	R15,\$QSE1	POINT TO 1ST QSE R4	K3698000	
					20932	*		THIS CARD DELETED BY APAR @OZ27300	K3698500	
					20933	*		THIS CARD DELETED BY APAR @OZ27300	K3699000	
006056	43A0	F00D		0000D	20934	CTXRAFLP IC	R10,QSESIAFF	PICK UP AFFINITY BIT @OZ27300	K3699500	
00605A	44A0	8D16		06082	20935	EX	R10,CTXRAFON	TEST FOR IMPOSSIBLE AFFINITY	K3700000	
00605E	4710	8D0A		06076	20936	BO	CTXRSEND	NO--EXIT QSE SCAN	K3700500	
006062	9101	F012		00012	20937	TM	QSEFLAGS,QSELAST	TEST FOR LAST ELEMENT	K3701000	
006066	41F0	F014		00014	20938	LA	R15,QSELEN(,R15)	BUMP TO NEXT QSE @OZ27300	K3701100	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00606A	4780	8CEA	06056		20939	BZ	CTXRAFLP	NOT LAST--LOOP THROUGH QSE'S K3701500
00606E	D600	203C	D098	0003C	00098	20940	OC DCTSIAFF,CTXRSIAF	RESET AFFINITIES K3702000
006074	07F4					20941	BR WC	AND EXIT IN ERROR K3702500
006076						20942	CTXRSEND DS 0H	END OF SID CHANGE K3703000
006076	45E0	8D1A	06086			20943	BAL R14,CTXLOOPR	SET ALL INTERNAL READERS POSSIBLY K3703500
00607A	47F0	8A5A	05DC6			20944	B CTXLOOPC	AND EXIT FOR NEXT OPERAND K3704000
00607E	9400	203C	0003C			20945	CTXRAFOF NI DCTSIAFF,*-*	**** EXECUTE ONLY **** K3704500
006082	9100	203C	0003C			20946	CTXRAFON TM DCTSIAFF,*-*	**** EXECUTE ONLY **** K3705000
						20947	DROP R15	DROP QSE ADDRESSABILITY K3705500
				00098		20948	CTXRSIAF EQU COMWREGS,1	AFFINITY CREATE AREA K3706000
						20949	*****	***** K3706500
						20950	* CHANGE ALL INTERNAL READERS SUBROUTINE	* K3707000
						20951	*****	***** K3707500
006086						20952	CTXLOOPR DS 0H	SET ALL INTERNAL READERS K3708000
006086	9514	2011	00011			20953	CLI DCTDEVTP,DCTINR	TEST FOR INTERNAL READER K3708500
00608A	077E					20954	BNER R14	NO--EXIT K3709000
00608C	18F2					20955	LR R15,WA	SAVE BEGINNING ADDRESS K3709500
00608E	BF27	2015	00015			20956	CTXINRLP ICM WA,7,DCTCHAIN+1	GET NEXT DCT K3710000
006092	4770	8D2E	0609A			20957	BNZ *+8	IF NOT LAST TRST FOR INTRDR K3710500
006096	182F					20958	LR WA,R15	RESET DCT ADDRESS TO FIRST INTRDR K3711000
006098	07FE					20959	BR R14	AND RETURN K3711500
00609A	9514	2011	00011			20960	CLI DCTDEVTP,DCTINR	TEST FOR STILL INTERNAL READER K3712000
00609E	4770	8D2A	06096			20961	BNE *-8	NO--EXIT K3712500
0060A2	D202	203C	F03C	0003C	0003C	20962	MVC DCTSIAFF(L'DCTSIAFF+L'DCTRAUTH+L'DCTJCLAS),DCTSIAFF-DCTDCK	SECT(R15) SET APPRO. FIELDS IN DCT @OZ29471 K3713000
0060A8	D200	2014	F014	00014	00014	20963	MVC DCTFLAGS,DCTFLAGS-DCTDSECT(R15) DITTO	K3713500
0060AE	47F0	8D22	0608E			20964	B CTXINRLP	AND LOOP FOR MORE INTRDR'S K3714000
						20966	*****	***** K3715500
						20967	* SET READER'S DEFAULT PRINT/PUNCH DESTINATION(S)	* K3716000
						20968	*****	***** K3716500
0060B2	41A0	2038	00038			20969	CTXRDRP LA R10,DCTPRINT	SET ADDRESS OF PRINT DESTINATION K3717000
0060B6	47F0	8D52	060BE			20970	B *+8	SKIP K3717500
0060BA	41A0	203A	0003A			20971	CTXRDRU LA R10,DCTPUNCH	SET ADDRESS OF PUNCH DESTINATION K3718000
0060BE	9514	2011	00011			20972	CLI DCTDEVTP,DCTINR	IS THIS AN INTERNAL READER R4 K3718500
0060C2	0784					20973	BER WC	ERROR EXIT IF YES R4 K3719000
0060C4	45E0	C978	00978			20974	BAL LINK,COFRTA	CONVERT DESTINATION R4 K3719500
0060C8	47F0	4000	00000			20975	B 0(,WC)	ERROR EXIT + 0 R4 K3720000
0060CC	1901					20976	CR R0,R1	SAME + 4 R4 K3720500
0060CE	0774					20977	BNER WC	ERROR EXIT R4 K3721000
0060D0	4000	A000	00000			20978	STH R0,0(,R10)	STORE NEW PRINT/PUNCH DEST K3721500
0060D4	47F0	8A5A	05DC6			20979	B CTXLOOPC	LOOK FOR ADDITIONAL OPERANDS K3722000
						20980	*****	***** K3730000
						20981	* SET LOGON DCT VALUES	* K3730500
						20982	*****	***** K3731000
						20983	CTXLOG NULL	R4 K3731500
0060D8						20984	+CTXLOG DS 0H	Z0006000
0060D8	9109	D070	00070			20985	TM COMFLAG,CMBFLAGR+CMBFLAGS	TEST FOR RESTRICTED CONSOLE R4 K3732000
0060DC	0774					20986	BNZR WC	YES--ILLEGAL TO SET LOGON R4 K3732500
0060DE	957E	1001	00001			20987	CLI 1(R1),C'='	CHECK FOR VALID OPERAND FORMAT R4 K3733000
0060E2	0774					20988	BNER WC	IF NOT -- ERROR R4 K3733500
						20989	\$CFSEL (A,CTXAPPL),(P,CTXLPAS),(E,CTXLLOG)	R4 K3734000
0060E4						20990+	DS 0H	Z0006000
0060E4	95C1	1000	00000			20991+	CLI 0(R1),C'A'	TEST CHARACTER R4 K1097000
0060E8	4780	8D92	060FE			20992+	BE CTXAPPL	BR IF MATCH R4 K1097500
0060EC	95D7	1000	00000			20993+	CLI 0(R1),C'P'	TEST CHARACTER R4 K1097000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0060F0	4780 8DC0	0612C		20994+	BE CTXLPAS BR IF MATCH	R4 K1097500
0060F4	95C5 1000	00000		20995+	CLI 0(R1),C'E' TEST CHARACTER	R4 K1097000
0060F8	4780 8DF6	06162		20996+	BE CTXLLOG BR IF MATCH	R4 K1097500
0060FC	07F4			20997	BR WC NO-- ERROR IN COMMAND	R4 K3734500
				20998	*****	K3735000
				20999	* SET LOGON APPLICATION ID *	K3735500
				21000	*****	K3736000
0060FE	4130 2040	00040		21001	CTXAPPL LA WB,MDCTAPPL PICK UP APPLICATION ID FEILD ADDR	R4 K3736500
006102	47F0 8DC4	06130		21002	B CTXLAPAS GO TO COMMON LINE / LOGON RTN	R4 K3737000
				21003	*****	K3738000
				21004	* SET RJE LINE PASSWORD / LOGGING OPTION *	K3738500
				21005	*****	K3739000
				21006	CTXLINE NULL	K3739500
006106				21007+	CTXLINE DS 0H	Z0006000
006106	9109 D070	00070		21008	TM COMFLAG,CMBFLAGR+CMBFLAGS TEST FOR RESTRICTED CONSOLE	R4 K3740000
00610A	0774			21009	BNZR WC YES -- INVALID TO SET RJE LNE	K3740500
00610C	957E 1001	00001		21010	CLI 1(R1),C'=' CHK FOR PROPER FORMAT	K3741000
006110	0774			21011	BNER WC IF NOT--ERROR	K3741500
				21012	\$CFSEL (D,CTXLDIS),(E,CTXLLOG),(P,CTXLPAS)	R4 K3742000
006112				21013+	DS 0H	Z0006000
006112	95C4 1000	00000		21014+	CLI 0(R1),C'D' TEST CHARACTER	R4 K1097000
006116	4780 8E14	06180		21015+	BE CTXLDIS BR IF MATCH	R4 K1097500
00611A	95C5 1000	00000		21016+	CLI 0(R1),C'E' TEST CHARACTER	R4 K1097000
00611E	4780 8DF6	06162		21017+	BE CTXLLOG BR IF MATCH	R4 K1097500
006122	95D7 1000	00000		21018+	CLI 0(R1),C'P' TEST CHARACTER	R4 K1097000
006126	4780 8DC0	0612C		21019+	BE CTXLPAS BR IF MATCH	R4 K1097500
00612A	0774			21020	BNER WC NO -- ERROR IN COMMAND	K3742500
00612C	4130 2034	00034		21021	CTXLPAS LA WB,MDCTPSWD PICK UP PASSWORD FIELD ADDR	R4 K3743000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
					21023	*****	*****	K3744000
					21024	*	SET LINE/LOGN DCT PASSWORD/APPLICATION ID	* K3744500
					21025	*****	*****	K3745000
006130	9240	3000	00000		21026	CTXLAPAS	MVI 0(WB),C' ' BLANK OUT DCT	R4 K3746000
006134	D206	3001 3000	00001 00000		21027		MVC 1(7,WB),0(WB) RECEIVING FEILD	R4 K3746500
00613A	58F0	5004	00004		21028		L R15,4(,WD) FIND END OF OPERAND	R4 K3747000
00613E	1BF1				21029		SR R15,R1 COMPUTE OPERAND LENGTH	R4 K3747500
006140	4BF0	8ED2	0623E		21030		SH R15,=H'4' LESS 4 FOR KEYWORD AND MACHINE	R4 K3748000
006144	4740	8A5A	05DC6		21031		BM CTXLOOPC RESET VALUE IF NEGATIVE	R4 K3748500
006148	49F0	8DE6	06152		21032		CH R15,*+10 CHECK FOR MAX SIZE	K3749000
00614C	47D0	8DE8	06154		21033		BNH *+8 MOVE IT IF SIZE 'OK'	K3749500
006150	41F0	0007	00007		21034		LA R15,8-1 ELSE SUBSTITUTE MAX SIZE	R4 K3750000
006154	44F0	8DF0	0615C		21035		EX R15,CTXLMOV MOVE IN NEW VALUE	R4 K3750500
006158	47F0	8A5A	05DC6		21036		B CTXLOOPC LOOK FOR OTHER OPERANDS	K3751000
00615C	D200	3000 1002	00000 00002		21038	CTXLMOV	MVC 0(*-*,WB),2(R1) **** EXECUTE ONLY ****	R4 K3751500
					21040	*****	*****	K3752000
					21041	*	SET RJE LINE CHANNEL END LOGGING OPTION	* K3752500
					21042	*****	*****	K3753000
					21043	CTXLLOG	NULL	K3753500
006162					21044	+CTXLLOG	DS 0H	Z0006000
006162	95E8	1002	00002		21045		CLI 2(R1),C'Y' LOG ALL CHNL ENDS	K3754000
006166	4780	8E0C	06178		21046		BE CTXLOGY YES--GO DO IT	K3754500
00616A	95D5	1002	00002		21047		CLI 2(R1),C'N' RESET CHNL END LOGGING	K3755000
00616E	0774				21048		BNER WC BR IN ERROR IF NEITHER	K3755500
006170	94FE	2014	00014		21049		NI DCTFLAGS,255-DCTLOGAL YES--RESET IT	R4 K3756000
006174	47F0	8A5A	05DC6		21050		B CTXLOOPC LOOK FOR ADDITIONAL OPERANDS	K3756500
006178	9601	2014	00014		21051	CTXLOGY	OI DCTFLAGS,DCTLOGAL INDICATE LOG ALL ACTIONS	R4 K3757000
00617C	47F0	8A5A	05DC6		21052		B CTXLOOPC LOOK FOR ADDITIONAL OPERANDS	R4 K3757500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21054	*****	K3758000
				21055	* CAUSE RJE LINE DISCONNECT *	K3758500
				21056	*****	K3759000
006180	9180 2000	00000		21057	CTXLDIS TM DCTSTAT,DCTINUSE IS LINE IN USE	R4 K3759500
006184	4780 8A5A	05DC6		21058	BZ CTXLOOPC BRANCH, IF NOT	R4 K3760000
006188	95D8 1002	00002		21059	CLI 2(R1),C'Q' IS QUIESCE REQUESTED	R4 K3760500
00618C	4780 8E2E	0619A		21060	BE CTXLDISQ BRANCH IF YES	R4 K3761000
006190	95C9 1002	00002		21061	CLI 2(R1),C'I' IS IMMEDIATE REQUESTED	R4 K3761500
006194	0774			21062	BNER WC BRANCH IF NEITHER - ERROR	R4 K3762000
006196	9620 2014	00014		21063	OI DCTFLAGS,DCTRSTRT CAUSE ACTION AT NEXT CHANNEL END	R4 K3762500
00619A	9610 202F	0002F		21064	CTXLDISQ OI MDCTSTAT,DCTSOFF SET FOR LINE MANAGER DISCONNECT	R4 K3763000
00619E	9180 202D	0002D		21065	TM MDCTTYPE,DCTPSNA TEST FOR SNA LINE	R4 K3763500
0061A2	4780 8A5A	05DC6		21066	BZ CTXLOOPC NO, SKIP POST	R4 K3764000
0061A6	58E0 B488	00488		21067	L R14,\$MLLMPC PICK UP LINE MANAGER PCE ADDRESS	R4 K3764500
		00000		21068	USING PCEDESECT,R14 SHOW PCE TEMPORARY ADDRESSABILITY	R4 K3765000
0061AA	9638 E0AA	000AA		21069	OI MSCANREQ,MSCNSIDL+MSCNSALL SCAN ACTIVE SNA LINE DCTS	R4 K3765500
				21070	DROP R14	R4 K3766000
				21071	\$POST (R14),WORK POST LINE MANAGER	R4 K3766500
0061AE	94EF E050	00050		21072+	NI PCEEFW-PCEDESECT(R14),255-\$EWFWORK RESET INHIBITS	FX074000
0061B2	4770 8E5A	061C6		21073+	BNZ *+20 SKIP QUEUEING IF INHIBITED	FX076000
0061B6	90E3 B388	00388		21074+	STM LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
0061BA	411E 0000	00000		21075+	LA R1,0(R14) POINT TO PCE	FX086000
0061BE	45E0 B01C	0001C		21076+	BAL LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
0061C2	98E3 B388	00388		21077+	LM LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000
0061C6	47F0 8A5A	05DC6		21078	B CTXLOOPC LOOK FOR ADDITIONAL OPERANDS	R4 K3767000
				21079	DROP WA	K3767500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
		00000	21082		USING DCTDSECT,R1	K3770000
			21084		*****	K3771000
			21085	*		* K3771500
			21086	*	\$Z DEV -- HALT DEVICE	* K3772000
			21087	*	DEV = PRINT/PUNCH PROCESSOR OUTPUT DEVICE	* K3772500
			21088	*	= INPUT SERVICE PROCESSOR INPUT DEVICE	* K3773000
			21089	*		* K3773500
			21090		*****	K3774000
0061CA			21091	CZ	DS 0H HALT A DEVICE	K3774500
0061CA	9104 1011	00011	21092	TM	DCTDEVTP,DCTINT IS THIS AN INTERNAL DEVICE	R4 K3775500
0061CE	4770 8052	053BE	21093	BNZ	CTXINVO INVALID DEVICE OPERAND IF YES	R4 K3777500
0061D2	9130 1011	00011	21094	TM	DCTDEVTP,DCTRPP IS THIS A RDR,PRTR, OR PUNCH	R4 K3778000
0061D6	4780 8052	053BE	21095	BZ	CTXINVO INVALID DEVICE OPERAND IF NOT	R4 K3778500
0061DA	9102 1011	00011	21096	TM	DCTDEVTP,DCTRJE IS THIS A REMOTE DEVICE	R4 K3779000
0061DE	4710 8052	053BE	21097	BO	CTXINVO INVALID DEVICE OPERAND IF YES	R4 K3779500
0061E2	45E0 8302	0566E	21098	BAL	R14,CTDEVCHK CHECK FOR ACTIVE DEVICE	K3780000
0061E6	9680 1014	00014	21099	OI	DCTFLAGS,DCTSTOP HALT THE DEVICE IF PRINT/PUNCH	K3780500
0061EA	47F0 81F6	05562	21100	B	CZXNEXT GO TO NEXT DEVICE	K3781000
			21101	DROP	R1	K3781500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0061F0				21103	LTORG ,	K3782500
0061F0	40C9D5E5C1D3C9C4			21104	=C' INVALID OPERAND'	
006200	00007230			21105	=A(CTOR)	
006204	00006F0C			21106	=A(HASPCSY3)	
006208	D3C9D47E			21107	=C'LIM='	
00620C	5C5C5C5C			21108	=C'****'	
006210	000F423F			21109	=F'999999'	
006214	FFFFFFFF			21110	=F'-1'	
006218	00001B48			21111	=A(CVALTABL)	
00621C	0001003A			21112	=X'0001003A'	
006220	E4C3E2F1			21113	=C'UCS1'	
006224	00001A48			21114	=A(CVALIDTB)	
006228	00000B60			21115	=A(COFDCTD)	
00622C	0038			21116	=Y(RATTLE)	
00622E	D6D2			21117	=C'OK'	
006230	40D5D6E340C1E5C1			21118	=C' NOT AVAILABLE'	
00623E	0004			21119	=H'4'	
006240	0001			21120	=H'1'	
006242	000F			21121	=X'000F'	
006244	0063			21122	=H'99'	
006246	1FE0			21123	=H'8160'	
006248	001F			21124	=H'31'	
00624A	0007			21125	=H'7'	
00624C	C3D6D5			21126	=C'CON'	
00624F	40D5D6E340C1C3E3			21127	=C' NOT ACTIVE ON '	
00625E	40C9D5E5C1D3C9C4			21128	=C' INVALID UNIT'	
00626B	D9C5E2C5E3			21129	=C'RESET'	
006270	C1E4E3D6D4			21130	=C'AUTOM'	
006275	0F			21131	=X'0F'	
006276	40C9D540E4E2C5			21132	=C' IN USE'	
00627D	C1D5E8			21133	=C'ANY'	
006280	C9D5C4			21134	=C'IND'	
006283				21135	FCBMSG DS 0CL3 FCB IMAGE PREFIX	@OZ40627 K3782600
006283	C6C3C2F2			21136	FCB2MSG DC CL4'FCB2' FCB2 IMAGE PREFIX	@OZ40627 K3782700
006287	40E4C3E24040C9D4			21137	IMAGMSG DC CL26' UCS IMAGE XXXX NOT FOUND'	@OZ40627 K3782800

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22	
				21139	HASPCSY1 \$COMGRUP DI,PI,SI,TI,ZI,P40,S40,PJES2,VS,ESYS,LSYS,TALL, TSYS,DELAY=YES DECLARE SYSTEM COMMANDS PROCESSOR	CK3783500 K3784000	
0062A2				21140+	HASPCSY1 DS 0H	K0088500	
		062A2		21141+	USING *,BASE3 ADDRESSABILITY	K0089000	
0062A2				21142+	COF0876 DS 0H 'BR R1' TO ENTER SUB-PROCESSOR	K0093000	
				21143	*****	K3784500	
				21144	*	* K3785000	
				21145	* INITIATOR COMMANDS	* K3785500	
				21146	*	* K3786000	
				21147	* \$D IN -- DISPLAY INITIATOR(S)	* K3786500	
				21148	*	* K3787000	
				21149	* \$P IN -- STOP (DRAIN) INITIATOR(S)	* K3787500	
				21150	*	* K3788000	
				21151	* \$\$ IN -- START INITIATOR(S)	* K3788500	
				21152	*	* K3789000	
				21153	* \$Z IN -- HALT INITIATOR(S)	* K3789500	
				21154	*	* K3790000	
				21155	* N =INITIATOR ID, RANGE OF ID'S, OR ALL IF BLANK	* K3790500	
				21156	*	* K3791000	
				21157	* \$T IN,LIST -- SET INITIATOR CLASSES	* K3791500	
				21158	* N =INITIATOR ID, RANGE OF ID'S, OR ALL IF BLANK	* K3792000	
				21159	* LIST = NEW CLASSES FOR DESIGNATED INITIATOR	* K3792500	
				21160	*	* K3793000	
				21161	*****	K3793500	
0062A2	95C9 D0B8		000B8	21162	CLI COMVERB+1,C'I' CHECK FOR INITIATOR ACTION	K3794000	
0062A6	0771			21163	BNER R1 NO--ENTER SUB-PROCESSOR	K3794500	
				21164	*****	K3795000	
				21165	* SCAN FOR RANGE OF INITIATORS TO ACT UPON	* K3795500	
				21166	*****	K3796000	
0062A8	92FF D08C		0008C	21167	MVI COMEWORK,X'FF' FORCE LOW BOUND TO BE SET	K3796500	
0062AC	4140 D0B9		000B9	21168	LA WC,COMOPRND+1 POINT TO FIRST ID CHARACTER	K3797000	
0062B0	58F0 5004		00004	21169	L R15,4(0,WD) POINT TO NEXT OR NULL OPERAND	K3797500	
0062B4	06F0			21170	BCTR R15,0 THEN COMMA OR BLANK	K3798000	
0062B6	41E0 0001		00001	21171	LA R14,1 SET INCREMENT FOR BXLE	K3798500	
0062BA	1834			21172	CDIIDS LR WB,WC SAVE STARTING POINT	K3799000	
0062BC	9560 4000		00000	21173	CDIIDSL CLI 0(WC),C'- ' CHECK FOR ID SEPARATOR	K3799500	
0062C0	4770 804E		062F0	21174	BNE CDIIDSA SKIP FILL OUT IF NOT SEPARATOR	K3800000	
0062C4	1B43			21175	SR WC,WB GET LENGTH OF ID	K3800500	
0062C6	4780 810C		063AE	21176	BZ CDIINVO ERROR IF NULL	K3801000	
0062CA	4940 8BBA		06E5C	21177	CH WC,=Y(L'PITPATID) CHECK FOR TOO LONG	K3801500	
0062CE	4720 810C		063AE	21178	BH CDIINVO ERROR IF TOO LONG	K3802000	
0062D2	41A0 D08C		0008C	21179	LA R10,COMEWORK POINT TO TARGET FIELD	K3802500	
0062D6	4640 803C		062DE	21180	BCT WC,*+8 REDUCE TO MACHINE LENGTH	K3803000	
0062DA	41A0 A001		00001	21181	LA R10,1(,R10) INSURE ID IS RIGHT-JUSTIFIED	K3803500	
0062DE	D201 D08C	8BBC	0008C	06E5E	21182	MVC COMEWORK(L'PITPATID),=CL(L'PITPATID)' ' INSURE ID BLANK	K3804000
0062E4	4440 8092		06334	21183	EX WC,CDIIDSMV MOVE 1ST IDENTIFIER	K3804500	
0062E8	4144 3002		00002	21184	LA WC,2(WC,WB) POINT TO NEXT CHARACTER TO SCAN	K3805000	
0062EC	47F0 8018		062BA	21185	B CDIIDS LOOP FOR OVERRIDE OR HIGH ID	K3805500	
0062F0	957D 4000		00000	21186	CDIIDSA CLI 0(WC),C'''' INSURE NO APOSTROPHI	K3806000	
0062F4	4780 810C		063AE	21187	BE CDIINVO EXIT IF PRESENT	K3806500	
0062F8	874E 801A		062BC	21188	BXLE WC,R14,CDIIDSL LOOP	K3807000	
0062FC	D201 D08E	8BBC	0008E	06E5E	21189	MVC COMEWORK+L'PITPATID(L'PITPATID),=CL(L'PITPATID)' ' INSURE ID BLANK	K3807500
006302	0640			21190	BCTR WC,0 BACK-UP TO LAST CHARACTER	K3808000	
006304	1B43			21191	SR WC,WB GET LENGTH	K3808500	
006306	4780 8080		06322	21192	BZ CDIIDSCK CHECK FOR ASSENDING	K3809000	
00630A	4940 8BBA		06E5C	21193	CH WC,=Y(L'PITPATID) CHECK FOR TOO LONG	K3809500	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00630E	4720	810C	063AE		21194	BH	CDIINVO	ERROR EXIT K3810000
006312	41A0	D08E	0008E		21195	LA	R10,COMWORK+L'PITPATID	POINT TO TARGET FIELD K3810500
006316	4640	807C	0631E		21196	BCT	WC,*+8	REDUCE TO MACHINE LENGTH K3811000
00631A	41A0	A001	00001		21197	LA	R10,1(,R10)	INSURE ID IS RIGHT-JUSTIFIED K3811500
00631E	4440	8092	06334		21198	EX	WC,CDIIDSMV	MOVE 2ND IDENTIFIER K3812000
006322	D501	D08C	D08E	0008C	0008E	21199	CDIIDSCK CLC	COMWORK(L'PITPATID),COMWORK+L'PITPATID ASSENDING K3812500
006328	4740	8090	06332		21200	BL	*+10	SKIP NEXT IF ASSENDING IDS K3813000
00632C	D201	D08C	D08E	0008C	0008E	21201	MVC	COMWORK(L'PITPATID),COMWORK+L'PITPATID FORCE EQ K3813500
006332	07F1				21202	BR	R1	ENTER FUNCTION SETUP K3814000
006334	D200	A000	3000	00000	00000	21203	CDIIDSMV MVC	0(*-*,R10),0(WB) **** EXECUTE ONLY **** K3814500
				00000	21205		USING PITDSECT,WB	PROVIDE PIT ADDRESSABILITY K3815500
00633A	4140	000C	0000C		21206	CTI	LA WC,12	SET OFFSET FOR \$TI COMMAND K3816000
00633E	47F0	80BA	0635C		21207	B	CDIW	ENTER COMMON ROUTINE K3816500
006342	1B44				21208	CDI	SR WC,WC	SET REQUEST OFFSET K3817000
006344	47F0	80BA	0635C		21209	B	CDIW	DO WORK K3817500
006348	4140	0004	00004		21210	CPI	LA WC,4	SET REQUEST OFFSET K3818000
00634C	47F0	80BA	0635C		21211	B	CDIW	DO WORK K3818500
006350	4140	0008	00008		21212	CSI	LA WC,8	SET REQUEST OFFSET K3819000
006354	47F0	80BA	0635C		21213	B	CDIW	ENTER COMMON ROUTINE K3819500
006358	4140	0010	00010		21214	CZI	LA WC,16	SET INDEX FOR \$ZI COMMAND K3820000
					21215	CDIW	NULL	COMMON ROUTINE FOR ALL INIT CMNDS K3820500
00635C					21216	+CDIW	DS 0H	Z0006000
00635C	5830	B238	00238		21217	L	WB,\$PITABLE	POINT TO START OF PITS K3821000
006360	9540	D08D	0008D		21218	CLI	COMWORK+1,C' '	CHECK FOR ALL INITS K3821500
006364	4780	80F8	0639A		21219	BE	CDIALL	YES-BR TO ALL INITS RTN K3822000
006368	1FAA				21220	SLR	R10,R10	CLEAR HIT REG FOR RANGE SCAN K3822500
					21221		*****	K3823000
					21222	*	ACT UPON ONE OR A RANGE OF INITIATORS	* K3823500
					21223		*****	K3824000
00636A	4520	8114	063B6		21224	CDIONE	BAL WA,CDIFIXIT	FIX PIT IF REQUIRED K3824500
00636E	D501	D08C	3009	0008C	00009	21225	CLC	COMWORK(L'PITPATID),PITPATID CHK PIT VS LOW K3825000
006374	4720	80E6	06388		21226	BH	CDIPITLP	IF HIGH CONTINUE SCAN K3825500
006378	D501	D08E	3009	0008E	00009	21227	CLC	COMWORK+L'PITPATID(L'PITPATID),PITPATID CHK VS HIG K3826000
00637E	4740	80E6	06388		21228	BL	CDIPITLP	IF LOW CONTINUE SCAN K3826500
006382	18A3				21229	LR	R10,WB	ELSE SAVE PIT IN HIT REG K3827000
006384	4404	813C	063DE		21230	EX	0,CDIFUN(WC)	AND PERFORM INDICATED FUNCTION K3827500
006388	BF3F	3000	00000		21231	CDIPITLP	ICM WB,15,PITNEXT	POINT TO NEXT PIT R4 K3828000
00638C	4770	80C8	0636A		21232	BNZ	CDIONE	BR IF VALID PIT ADDRESS R4 K3828500
006390	12AA				21233	LTR	R10,R10	IF LAST--TEST FOR ANY FOUND K3829000
006392	4780	810C	063AE		21234	BZ	CDIINVO	IF NOT ERROR IN OPERANDS K3829500
006396	47F4	8150	063F2		21235	B	CDIXIT(WC)	IF ANY FOUND EXIT PER (WC) K3830000
					21236		*****	K3830500
					21237	*	ACT UPON ALL INITIATORS	* K3831000
					21238		*****	K3831500
00639A	4520	8114	063B6		21239	CDIALL	BAL WA,CDIFIXIT	FIX PIT IF REQUIRED K3832000
00639E	4404	8128	063CA		21240	EX	0,CDIFUNA(WC)	MODIFY ALL INITS K3832500
0063A2	BF3F	3000	00000		21241	ICM	WB,15,PITNEXT	POINT TO NEXT PIT R4 K3833000
0063A6	4770	80F8	0639A		21242	BNZ	CDIALL	BR IF VALID PIT ADDRESS R4 K3833500
0063AA	47F4	8150	063F2		21243	B	CDIXIT(WC)	FINI--GO TO INDICATED EXIT K3834000
0063AE	5810	5000	00000		21244	CDIINVO	L R1,0(0,WD)	POINT TO CURRENT OPERAND K3834500
					21245		\$CFINVO OPERAND=(R1)	EXIT WITH DISPLAY K3835000
0063B2	47F0	C7A6	007A6		21246	B	COFINVO	REPLY INVALID OPERAND K0636500
0063B6	9118	3004	00004		21248	CDIFIXIT	TM PITFLAGS,PITSIVER+PITSIERR	WAS A START REJECTED K3836000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
0063BA	07E2			21249	BNOR WA RETURN IF NOT	K3836500
0063BC	94E7 3004	00004		21250	NI PITFLAGS,255-(PITSIVER+PITSIERR) RESET FLAGS	K3837000
0063C0	94FB 3008	00008		21251	NI PITSTAT,255-PITINIT RESET INIT STARTED	K3837500
0063C4	9640 3008	00008		21252	OI PITSTAT,PITHOLD1 SET DRAIN FLAG	K3838000
0063C8	07F2			21253	BR WA RETURN	K3838500
				21255 *	MULTIPLE INITIATOR FUNCTIONS	K3839500
				21257 CDIFUNA	NULL MODIFY ALL PITS	K3840500
0063CA				21258+CDIFUNA	DS 0H	Z0006000
0063CA	4520 81FE	064A0		21259	BAL WA,CDIDIS DISPLAY ALL PITS WC = 0	K3841000
0063CE	4520 830E	065B0		21260	BAL WA,CDIPIA STOP ALL PITS WC = 4	K3841500
0063D2	946F 3008	00008		21261	NI PITSTAT,255-(PITHOLDA+PITHALTA) START PITS WC = 8	K3842000
0063D6	4520 832E	065D0		21262	BAL WA,CDITI CHANGE ALL PITS WC = 12	K3842500
0063DA	9610 3008	00008		21263	OI PITSTAT,PITHALTA HALT ALL PITS WC = 16	K3843000
				21265 *	SINGLE INITIATOR FUNCTIONS	K3844000
				21267 CDIFUN	NULL MODIFY A PIT OR RANGE OF PITS	K3845000
0063DE				21268+CDIFUN	DS 0H	Z0006000
0063DE	4520 81FE	064A0		21269	BAL WA,CDIDIS DISPLAY A PIT WC = 0	K3845500
0063E2	4520 8316	065B8		21270	BAL WA,CDIPI1 SYOP A PIT WC = 4	K3846000
0063E6	9427 3008	00008		21271	NI PITSTAT,255-(PITHOLD1+PITHOLDA+PITHALT1+PITHALTA)	K3846500
0063EA	4520 832E	065D0		21272	BAL WA,CDITI CHANGE A PIT WC = 12	K3847000
0063EE	9608 3008	00008		21273	OI PITSTAT,PITHALT1 HALT A PIT WC = 16	K3847500
				21275	*****	K3848500
				21276 *	EXIT INITIATOR COMMAND ROUTINES *	K3849000
				21277	*****	K3849500
0063F2	47F0 8170	06412		21279 CDIXIT	B CDIRET EXIT FOR DISPLAY PIT(S) WC = 0	K3850500
0063F6	47F0 8178	0641A		21280	B CPIRET EXIT FOR STOP PIT(S) WC = 4	K3851000
0063FA	47F0 8184	06426		21281	B CSIRET EXIT FOR START PIT(S) WC = 8	K3851500
0063FE	47F0 8164	06406		21282	B CTIRET EXIT FOR CHANGE PIT(S) WC = 12	K3852000
006402	47F0 8168	0640A		21283	B CZIRET EXIT FOR HALT PIT(S) WC = 16	K3852500
				21284 CTIRET	\$POST \$HASPECF,JOB POST HASP FOR WORK	K3853000
006406	94DF B4B1	004B1		21285+CTIRET	NI \$HASPECF+\$EWBJOB,FF-\$EWFJOB RESET EVENT @OZ27300	FX170000
				21286 CZIRET	\$CRET MSG=OK RETURN WITH 'OK' STATUS	K3853500
00640A				21287+CZIRET	DS 0H	Z0006000
00640A	41F0 0004	00004		21288+	LA R15,CORTOK RETURN AND ISSUE OK MESSAGE	K0136000
00640E	47F0 C1AC	001AC		21289+	B CORET RETURN	K0137500
				21290 CDIRET	\$CRET , RETURN WITH NULL MSG--FOR \$DI	K3854000
006412				21291+CDIRET	DS 0H	Z0006000
006412	41F0 0000	00000		21292+	LA R15,CORTNORM NORMAL RETURN	K0137000
006416	47F0 C1AC	001AC		21293+	B CORET RETURN	K0137500
00641A	9180 D1D8	001D8		21294 CPIRET	TM COMNULOP,CIPOSTX SEE IF HASP IS TO BE POSTED	K3854500
00641E	4780 8168	0640A		21295	BZ CZIRET NO-DON'T POST HASP--RETURN 'OK'	K3855000
006422	47F0 8164	06406		21296	B CTIRET YES-POST HASP--RETURN 'OK'	K3855500
				21297 CSIRET	\$POST \$HASPECF,JOB POST JOB	K3856000
006426	94DF B4B1	004B1		21298+CSIRET	NI \$HASPECF+\$EWBJOB,FF-\$EWFJOB RESET EVENT @OZ27300	FX170000
				21299	\$CWTO MSG='OK',TRUNC=YES RESPOND AND PREPARE FOR SVC 34	K3856500
00642A				21300+	DS 0H	Z0006000
00642A	D201 D0B6 8BBE	000B6 06E60		21301+	MVC COMMAND(2),=C'OK'	K0164500
006430	4100 0002	00002		21302+	LA R0,2 SET LENGTH OF MSG IN R0	K0165000
006434	4520 C09A	0009A		21303+	BAL WA,CWTOT REPLY TO OPERATOR	K0161500
006438	5830 B238	00238		21304 CSIRETI	L WB,\$PITABLE LOCATE PITS	K3857000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00643C	D20D	D070	C32B	00070	0032B	21305	MVC COMFLAG(14),COMAMASK COPY MASK INTO	R4 K3857500
006442	92FF	D076		00076		21306	MVI COMUCM,X'FF' INDICATE S INIT SVC 34	R4 K3858000
006446	D201	D074	B424	00074	00424	21307	MVC COMTO,\$SYSID SET OUR SYSTEM	R4 K3858500
00644C	9104	3008		00008		21308	CSIRETA TM PITSTAT,PITINIT DOES PIT HAVE INIT	K3859000
006450	4710	81EE		06490		21309	BO CSIRETN IF SO GET NEXT PIT	K3859500
006454	91C0	3008		00008		21310	TM PITSTAT,PITHOLDA+PITHOLD1 IS PIT DRAINED	K3860000
006458	4770	81EE		06490		21311	BNZ CSIRETN IF SO SKIP START	K3860500
00645C	9610	3004		00004		21312	OI PITFLAGS,PITSIVER SET VERIFICATION REQUIRED	K3861000
006460	9604	3008		00008		21313	OI PITSTAT,PITINIT INDICATE INIT STARTED	K3861500
006464	5820	B150		00150		21314	L WA,\$SSVT POINT TO THE SSVT	K3862000
006468	5810	2188		00188		21315	L R1,\$SVPIDLE-SSVT(,WA) GET ACTIVE INIT COUNT	K3862500
00646C	4100	1001		00001		21316	LA R0,1(,R1) UP IT BY ONE FOR NEW INIT	K3863000
006470	BA10	2188		00188		21317	CS R1,R0,\$SVPIDLE-SSVT(WA) SET NEW COUNT -- MAYBE	K3863500
006474	4780	81DA		0647C		21318	BZ *+8 GOOD -- ISSUE START COMMAND	K3864000
006478	47F0	81C6		06468		21319	B *-16 NO--LOOP 'TILL UPDATED	K3864500
00647C	D20D	D0B6	8BC0	000B6	06E62	21320	MVC COMMAND(14),=C'S INIT.INIT,,, SET START INIT	K3865000
006482	D203	D0C4	2320	000C4	00320	21321	MVC COMMAND+14(L'\$SVSSNM),\$SVSSNM-SSVT(WA) COMMAND	K3865500
006488	4100	0012		00012		21322	LA R0,14+L'\$SVSSNM SET COMMAND LENGTH	K3866000
						21323	\$CWTO L=(R0) START THE INITIATOR	K3866500
00648C						21324+	DS 0H	Z0006000
00648C	4520	C07A		0007A		21325+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
006490	BF3F	3000		00000		21326	CSIRETN ICM WB,15,PITNEXT POINT TO NEXT PIT	R4 K3867000
006494	4770	81AA		0644C		21327	BNZ CSIRETA BR IF VALID PIT ADDRESS	R4 K3867500
						21328	\$CRET , RETURN WITH NOTHING	K3868000
006498						21329+	DS 0H	Z0006000
006498	41F0	0000		00000		21330+	LA R15,CORTNORM NORMAL RETURN	K0137000
00649C	47F0	C1AC		001AC		21331+	B CORET RETURN	K0137500
						21333	*****	K3869000
						21334	* DISPLAY CURRENT STATUS OF AN INITIATOR *	K3869500
						21335	*****	K3870000
						21337	* SET STATUS	K3871000
0064A0	D242	D0B6	82CA	000B6	0656C	21338	CDIDIS MVC COMMAND(CDIML),CDIM INSERT MESSAGE PROTOTYPE	K3871500
0064A6	91C0	3008		00008		21339	TM PITSTAT,PITHOLDA+PITHOLD1 TEST FOR DRAIN BITS ON	K3872000
0064AA	4780	8224		064C6		21340	BZ CDINDRN BR IF NOT DRAINING OR DRAINED	K3872500
0064AE	D207	D0C1	8B36	000C1	06DD8	21341	MVC CDIMS-CDIM+COMMAND,=CL8'DRAINING' ASSUME DRAINING	K3873000
0064B4	9120	3008		00008		21342	TM PITSTAT,PITBUSY TEST FOR PIT IN USE	K3873500
0064B8	4710	8264		06506		21343	BO CDICLAS SET CLASSES, PIT (DRAINING)	K3874000
0064BC	D207	D0C1	8B3E	000C1	06DE0	21344	MVC CDIMS-CDIM+COMMAND,=CL8'DRAINED' SET DRAIN	K3874500
0064C2	47F0	8264		06506		21345	B CDICLAS SET CLASSES, PIT (DRAINED)	K3875000
0064C6	9118	3008		00008		21346	CDINDRN TM PITSTAT,PITHALTA+PITHALT1 TEST FOR HALT BITS ON	K3875500
0064CA	4780	823E		064E0		21347	BZ CDINHLT IF NOT, CAN NOT BE HALTED-HALTING	K3876000
						21348	* HALTING TEXT IN PROTOTYPE	K3876500
0064CE	9120	3008		00008		21349	TM PITSTAT,PITBUSY TEST FOR PIT IN USE	K3877000
0064D2	4710	8264		06506		21350	BO CDICLAS SET CLASSES, PIT (HALTING)	K3877500
0064D6	D207	D0C1	8B46	000C1	06DE8	21351	MVC CDIMS-CDIM+COMMAND,=CL8'HALTED' SET HALTED	K3878000
0064DC	47F0	8264		06506		21352	B CDICLAS SET CLASSES, PIT (HALTED)	K3878500
0064E0	D207	D0C1	8B4E	000C1	06DF0	21353	CDINHILT MVC CDIMS-CDIM+COMMAND,=CL8'INACTIVE' ASSUME INACTIVE	K3879000
0064E6	9120	3008		00008		21354	TM PITSTAT,PITBUSY TEST FOR PIT IN USE	K3879500
0064EA	4780	8256		064F8		21355	BZ CDINBSY IF NOT, MAY BE UNVERIFIED @OZ35293	K3880000
0064EE	D207	D0C1	8B56	000C1	06DF8	21356	MVC CDIMS-CDIM+COMMAND,=CL8'ACTIVE' SET ACTIVE	K3880500
0064F4	47F0	8264		06506		21357	B CDICLAS SET CLASSES, PIT (ACTIVE) @OZ35293	K3880520
0064F8	9120	3004		00004		21358	CDINBSY TM PITFLAGS,PITSMVER TEST IF IN MEMORY CREATE @OZ35293	K3880540
0064FC	4780	8264		06506		21359	BZ CDICLAS SET CLASSES, PIT(INACTIVE) @OZ35293	K3880560
006500	D207	D0C1	8B5E	000C1	06E00	21360	MVC CDIMS-CDIM+COMMAND,=CL8'STARTING' SET STARTING @OZ35293	K3880580

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21361	* SET CLASSES	K3881000
006506	1F11			21362	CDICLAS SLR R1,R1 MOVE PIT	R4 K3881500
006508	4310 B321	00321		21363	IC R1,\$MAXCLAS CLASS	R4 K3882000
00650C	0610			21364	BCTR R1,0 LIST TO	R4 K3882500
00650E	4410 82C4	06566		21365	EX R1,CDIPITCL MESSAGE	R4 K3883000
				21366	* SET PIT IDENTIFICATION	K3883500
006512	D201 D0BE 3009	000BE	00009	21367	MVC CDIMI-CDIM+COMMAND,PITPATID SET INIT ID	K3884000
006518	9120 3008	00008		21368	TM PITSTAT,PITBUSY TEST FOR PIT BUSY	K3884500
00651C	4710 8286	06528		21369	BO *+12 YES--SKIP TEST FOR XBM	K3885000
006520	9140 3004	00004		21370	TM PITFLAGS,PITXBM TEST FOR XEQ BATCHING	K3885500
006524	4780 82BC	0655E		21371	BZ CDILNGTH FAILED BOTH TESTS-MSG COMPLETE	K3886000
006528	5810 3004	00004		21372	L R1,PITSJB POINT TO POSSIBLE SJB	K3886500
00652C	4110 1000	00000		21373	LA R1,0(,R1) CLEAR HIGH-ORDER BYTE	K3887000
006530	9140 3004	00004		21374	TM PITFLAGS,PITXBM TEST FOR XEQ BATCH MOMITOR	K3887500
006534	4780 82B6	06558		21375	BZ CDIJOBNM NONE--SET POSSIBLE JOB NAME	K3888000
006538	D201 D0B6 8BCE	000B6	06E70	21376	MVC CDIXBM-CDIM+COMMAND,=C'XB' SET XEQ BATCH MON ID	K3888500
00653E	91D8 3008	00008		21377	TM PITSTAT,PITHOLD1+PITHOLDA+PITHALT1+PITHALTA	K3889000
006542	4770 82AC	0654E		21378	BNZ CDIXBMNM NOT BUSY SET XBM NAME	K3889500
006546	9120 3008	00008		21379	TM PITSTAT,PITBUSY TEST FOR BUSY	K3890000
00654A	4710 82B6	06558		21380	BO CDIJOBNM YES--INSERT XEQ JOB ID	K3890500
00654E	D207 D0CA 10A0	000CA	000A0	21381	CDIXBMNM MVC CDINAME-CDIM+COMMAND,SJBXBJNM-SJBDSECT(R1) SET XBM	K3891000
006554	47F0 82BC	0655E		21382	B CDILNGTH GO SEND MESSAGE	K3891500
006558	D207 D0CA 10E4	000CA	000E4	21383	CDIJOBNM MVC CDINAME-CDIM+COMMAND,SJBJOBID-SJBDSECT(R1) SET JOB	K3892000
00655E	4100 0043	00043		21384	CDILNGTH LA R0,CDIML SET MESSAGE LENGTH	K3892500
				21385	\$CWTO L=(R0),RET=(WA) SEND INIT DISPLAY	K3893000
006562				21386+	DS 0H	Z0006000
006562	47F0 C07A	0007A		21387+	B CWTO REPLY TO OPERATOR	K0160500
006566	D200 D0D5 300B	000D5	0000B	21389	CDIPITCL MVC CDIMCLAS-CDIM+COMMAND(*-*),PITCLASS *** EXEC ONLY **	R4 K3894000
00656C	404040C9D5C9E340			21390	CDIM DC CL3' ',CL5'INIT' MESSAGE PROTOTYPE	K3894500
			0656C	21391	CDIXBM EQU CDIM,2 AREA FOR XBM IDENTIFIER	K3895000
006574	404040			21392	CDIMI DC CL(L'PITPATID)' ',C' ' INIT ID AND A BLANK	K3895500
006577	C8C1D3E3C9D5C740			21393	CDIMS DC CL8'HALTING',C' ' STATUS OF INIT AND A BLANK	K3896000
006580	5C5C5C5C5C5C5C5C			21394	CDINMID DC 8C'*',CL3' C=' JOB ID AND CLASS PREFIX	K3896500
			06580	21395	CDINAME EQU CDINMID,8 AREA FOR JOB OR XBM ID	K3897000
00658B	4040404040404040			21396	CDIMCLAS DC CL36' ' INITIATOR CLASSES	R4 K3897500
			00043	21397	CDIML EQU *-CDIM LENGTH OF MESSAGE	K3898000
				21399	*****	K3899000
				21400	* STOP ALL OR ONE INITIATOR	* K3899500
				21401	*****	K3900000
				21402	CDIPIA NULL STOP ALL PITS	K3900500
0065B0				21403+	CDIPIA DS 0H	Z0006000
0065B0	9680 3008	00008		21404	OI PITSTAT,PITHOLDA INDICATE PIT STOPPED BY 'ALL' CMND	K3901000
0065B4	47F0 831A	065BC		21405	B *+8 BR ARND STOP SINGLE	K3901500
0065B8	9640 3008	00008		21406	CDIPI1 OI PITSTAT,PITHOLD1 STOP A PIT --\$PIN CMND	K3902000
0065BC	58F0 B150	00150		21407	L R15,\$SSVT LOCATE THE SSVT	K3902500
0065C0	9680 F2F0	002F0		21408	OI \$SVJOB-SSVT(R15),X'80' FLAG INIT DRAINED FOR XEQ	K3903000
0065C4	9120 3008	00008		21409	TM PITSTAT,PITBUSY TEST FOR \$POST OF HASP NECESSARY	K3903500
0065C8	0772			21410	BNZR WA INIT BUSY--NOT NEEDED	K3904000
0065CA	9680 D1D8	001D8		21411	OI COMNULOP,CIPOSTX INIT IDLE--POST OF HASP IS NECESSARY	K3904500
0065CE	07F2			21412	BR WA RETURN	K3905000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21414	*****	K3906000
				21415	* CHANGE THE CLASS STRING OF AN INITIATOR *	K3906500
				21416	*****	K3907000
				21418	CDITI NULL CHANGE A CLASS STRING OF A PIT	K3908000
0065D0				21419	+CDITI DS 0H	Z0006000
0065D0	1557			21420	CLR WD,WF	K3908500
0065D2	47B0 810C	063AE		21421	BNL CDIINVO	K3909000
0065D6	5810 5004	00004		21422	L R1,4(,WD)	K3909500
0065DA	58F0 5008	00008		21423	L R15,8(,WD)	K3910000
0065DE	1BF1			21424	SR R15,R1	K3910500
0065E0	47D0 810C	063AE		21425	BNP CDIINVO	K3911000
0065E4	46F0 834A	065EC		21426	BCT R15,*+8	K3911500
0065E8	47F0 810C	063AE		21427	B CDIINVO	K3912000
0065EC	BDF1 B321	00321		21428	CLM R15,1,\$MAXCLAS	R4 K3912500
0065F0	47D0 8356	065F8		21429	BNH *+8	K3913000
0065F4	43F0 B321	00321		21430	IC R15,\$MAXCLAS	R4 K3913500
0065F8	06F0			21431	BCTR R15,0	K3914000
0065FA	58E0 8B7E	06E20		21432	L R14,=A(CVALIDTB)	R4 K3914500
0065FE	44F0 8378	0661A		21433	EX R15,CTIVALID	K3915000
006602	4770 810C	063AE		21434	BNZ CDIINVO	K3915500
				21435	* VALID CHAR ARE 'A-Z' AND '0-9'	K3916000
006606	180F			21436	LR R0,R15	R4 K3916500
006608	43F0 B321	00321		21437	IC R15,\$MAXCLAS	R4 K3917000
00660C	06F0			21438	BCTR R15,0	R4 K3917500
00660E	44F0 837E	06620		21439	EX R15,CTIBLANK	R4 K3918000
006612	18F0			21440	LR R15,R0	R4 K3918500
006614	44F0 8384	06626		21441	EX R15,CTIMOVE	K3919000
006618	07F2			21442	BR WA	K3919500
00661A	DD00 1000 E000 00000 00000			21444	CTIVALID TRT 0(*-*,R1),0(R14) *** EXECUTE ONLY ***	R4 K3920500
006620	D200 300B 82E9 0000B 0658B			21445	CTIBLANK MVC PITCLASS(*-*),CDIMCLAS *** EXECUTE ONLY ***	R4 K3921000
006626	D200 300B 1000 0000B 00000			21446	CTIMOVE MVC PITCLASS(*-*),0(R1) **** EXECUTE ONLY ****	K3921500
				00080 21447	CIPOSTX EQU X'80' INDICATE POST NEEDED--INIT IDLE	K3922000
				21449	DROP WB DROP PIT ADDRESSABILITY	K3923000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21451	*****	K3924000
				21452	*	* K3924500
				21453	* \$P S -- STOP (DRAIN) SYSTEM	* K3925000
				21454	*	* K3925500
				21455	*****	K3926000
00662C	9620 B427	00427		21456	CP40 OI \$STATUS,\$DRAINED SET SYSTEM DRAIN FLAG	K3926500
				21457	\$CRET MSG='SYSTEM DRAINING' TELL OPERATOR	K3927000
006630				21458+	DS 0H	Z0006000
006630	D20E D0B6 8BE4	000B6 06E86		21459+	MVC COMMAND(15),=C'SYSTEM DRAINING'	K0131000
006636	4100 000F	0000F		21460+	LA R0,15 SET LENGTH OF MSG IN R0	K0131500
00663A	41F0 0008	00008		21461+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
00663E	47F0 C1AC	001AC		21462+	B CORET RETURN	K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21464	*****	K3928000
				21465	*	* K3928500
				21466	* \$S -- START SYSTEM	* K3929000
				21467	*	* K3929500
				21468	*****	K3930000
006642	949F B427	00427		21469	CS40 NI \$STATUS,255-\$ALMSGSW-\$DRAINED RESET DRAIN FLAGS	K3930500
006646	5810 B174	00174		21470	L R1,\$PCEORG LOCATE FIRST PCE	K3931000
				21471	CSSPOST \$POST (R1),HOLD POST ALL PCES TO START	K3931500
00664A	94F7 1050	00050		21472+	CSSPOST NI PCEEWF-PCEDSECT(R1),255-\$EWFHOLD RESET INHIBITS	FX074000
00664E	4770 83C0	06662		21473+	BNZ *+20 SKIP QUEUEING IF INHIBITED	FX076000
006652	90E3 B388	00388		21474+	STM LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
006656	4111 0000	00000		21475+	LA R1,0(R1) POINT TO PCE	FX086000
00665A	45E0 B01C	0001C		21476+	BAL LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
00665E	98E3 B388	00388		21477+	LM LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000
006662	5810 1008	00008		21478	L R1,PCENEXT-PCEDSECT(0,R1) PICK UP NEXT	K3932000
006666	1211			21479	LTR R1,R1 TEST FOR END	K3932500
006668	4770 83A8	0664A		21480	BNZ CSSPOST IF MORE, LOOP	K3933000
				21481	\$POST \$HASPECF,(JOB,JOT) POST JOB AND JOT	K3933500
				21482+*	THIS CARD DELETED BY APAR @OZ27300	FX120000
00666C	945F B4B1	004B1		21483+	NI \$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT RESET EVENTS	FX152000
006670	47F0 8184	06426		21484	B CSIRET POST JOB AND REPLY OK	K3934000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21486	*****	K3935000
				21487	*	* K3935500
				21488	* \$P JES2 -- STOP (WITHDRAW) JES2	* K3936000
				21489	*	* K3936500
				21490	*****	K3937000
		00000		21491	USING JQEDSECT,R1	K3937500
006674	9109 D07F	0007F		21492	CPJES2 TM COMAUTH,COMR+COMS TEST FOR RESTRICTED CONSOLE @OZ27300	K3937600
006678	4770 810C	063AE		21493	BNZ CDIINVO YES--CAN'T WITHDRAW JES2 @OZ27300	K3937700
00667C	D505 8BD0 D0BC	06E72	000BC	21494	CLC =C',ABEND',COMVERB+5 'ABEND' SPECIFIED... @OZ27300	K3937800
006682	4770 83EE	06690		21495	BNE CPJNORM BR IF NO @OZ27300	K3937900
				21496	PJ2 \$ERROR ** SHUTDOWN IMMEDIATELY ** @OZ27300	K3938000
006686	58B0 B0E0	000E0		21497	+PJ2 L BASE1,\$ERROR GET CATASTROPHIC ERROR RTN ADDR R4	CZ012000
00668A	050B			21498	+ BALR R0,BASE1 AND GO TO IT R4	CZ014000
00668C	D7D1F240			21499	+ DC 0AL4(PJ2),CL4'PJ2' HASP SYSTEM ERROR CODE R4	CZ016000
006690	9104 B427	00427		21501	CPJNORM TM \$STATUS,\$SYSEXIT SHUTDOWN IN PROGRESS... @OZ27300	K3938500
006694	4710 84C6	06768		21502	BO CPJTEXIT BR IF YES TO CONTINUE @OZ27300	K3939000
006698	9620 B427	00427		21503	OI \$STATUS,\$DRAINED SET SYSTEM DRAINING FLAG	K3939500
00669C	4810 B45C	0045C		21504	LH R1,\$EXCPCT TEST OUTSTANDING I/O	K3940000
0066A0	5A10 B26C	0026C		21505	A R1,\$BUSYQUE TEST WTO	K3940500
0066A4	4770 84E8	0678A		21506	BNZ CPSRET REJECT IF WORK TO DO	K3941000
				21507	* WITHDRAW JES2 FROM CONTROL OF THE MACHINE	K3941500
0066A8	9500 B458	00458		21508	CLI \$ACTIVE,0 MAKE SURE READERS ARE NOT STARTING	K3942000
0066AC	4770 84E8	0678A		21509	BNE CPSRET RETURN IF STARTING	K3942500
0066B0	5810 B174	00174		21510	L R1,\$PCEORG LOCATE FIRST PCE	K3943000
0066B4	9501 1053	00053		21511	CPSL CLI PCEID-PCEDSECT+1(R1),PCERDRID IS THIS RDR	K3943500
0066B8	4780 8422	066C4		21512	BE CPSNXT SKIP HOLD TEST FOR RDRS	K3944000
0066BC	9108 1050	00050		21513	TM PCEEFW-PCEDSECT(R1),\$EWFHOLD IS PROCESSOR HELD	K3944500
0066C0	4710 8430	066D2		21514	BO CPSPOST POST IT IF YES	K3945000
0066C4	5810 1008	00008		21515	CPSNXT L R1,PCENEXT-PCEDSECT(0,R1) POINT TO NEXT	K3945500
0066C8	1211			21516	LTR R1,R1 TEST FOR END	K3946000
0066CA	4770 8412	066B4		21517	BNZ CPSL LOOP	K3946500
0066CE	47F0 8462	06704		21518	B CPSENQ BR TO BLOCK NEW STARTS @OZ56448	K3947000
				21519	CPSPOST \$POST (R1),HOLD RELEASE PROCESSOR	K3947500
0066D2	94F7 1050	00050		21520	+CPSPOST NI PCEEFW-PCEDSECT(R1),255-\$EWFHOLD RESET INHIBITS	FX074000
0066D6	4770 8448	066EA		21521	+ BNZ *+20 SKIP QUEUEING IF INHIBITED	FX076000
0066DA	90E3 B388	00388		21522	+ STM LINK,R3,\$POSTSAV SAVE REGISTERS	FX078000
0066DE	4111 0000	00000		21523	+ LA R1,0(R1) POINT TO PCE	FX086000
0066E2	45E0 B01C	0001C		21524	+ BAL LINK,\$POST QUEUE THE PCE ON READY QUEUE	FX088000
0066E6	98E3 B388	00388		21525	+ LM LINK,R3,\$POSTSAV RESTORE REGISTERS	FX090000
0066EA	94BF B427	00427		21526	NI \$STATUS,255-\$ALMSGSW RESET MESSAGE SW	K3948000
0066EE	5810 1008	00008		21527	CPSNXTA L R1,PCENEXT-PCEDSECT(0,R1) POINT TO NEXT	K3948500
0066F2	1211			21528	LTR R1,R1 TEST FOR END	K3949000
0066F4	4780 84E8	0678A		21529	BZ CPSRET EXIT IF END	K3949500
0066F8	9501 1053	00053		21530	CLI PCEID-PCEDSECT+1(R1),PCERDRID IS THIS RDR	K3950000
0066FC	4780 844C	066EE		21531	BE CPSNXTA FORGET POST	K3950500
006700	47F0 8430	066D2		21532	B CPSPOST POST PROCESSOR	K3951000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				21534	*****	@OZ56448	K3951110
				21535	* ENQUEUE ON THE STC INTERNAL READER SO NO NEW	@OZ56448	K3951120
				21536	* TASKS CAN BE STARTED DURING JES2 WITHDRAWAL.	@OZ56448	K3951130
				21537	* THE RESOURCE WILL BE RELEASED ON JES2 TERMINATION.	@OZ56448	K3951140
				21538	*****	@OZ56448	K3951150
006704	58A0 B150	00150		21540	CPSENQ L R10,\$SSVT IF THIS SYSTEM IS NO	@OZ56448	K3951200
006708	9180 A194	00194		21541	TM \$SVSTUS-SSVT(R10),\$SVSTUSP THE PRIMARY, SKIP	@OZ56448	K3951300
00670C	47E0 8486	06728		21542	BNO CPSOK ..THE ENQUEUE ON STCINRDR	@OZ56448	K3951400
				21543	ENQ (STCQNM,STCRNM,E,,SYSTEM),RET=USE	@OZ56448	K3951500
006710				21544+	CNOP 0,4		03500002
006710	4510 847E	06720		21545+	BAL 1,IHB0915 BRANCH AROUND AND ADDRESS LIST		03550002
006714	C0			21546+	DC AL1(192) LISTEND BYTE X02113		07000002
006715	06			21547+	DC AL1(6) RNAME LENGTH		07700002
006716	43			21548+	DC BL1'01000011' OPTIONS		07800002
006717	00			21549+	DC AL1(0) RETURN CODE FIELD		07850002
006718	0000679C			21550+	DC A(STCQNM) QNAME ADDRESS		08100002
00671C	000067A4			21551+	DC A(STCRNM) RNAME ADDRESS		08700002
006720				21552+IHB0915	DS 0H OBJECT OF THE BAL		09900002
006720	0A38			21553+	SVC 56		12850002
006722	12FF			21554	LTR R15,R15 IF WE DON'T HAVE CONTROL,	@OZ56448	K3951600
006724	4770 84E8	0678A		21555	BNZ CPSRET RETURN.	@OZ56448	K3951700
006728				21556	CPSPCK DS 0H	@OZ56448	K3951800
006728	9604 B427	00427		21557	OI \$STATUS,\$SYSEXIT SET FOR SYSTEM EXIT		K3952000
00672C	4110 B16C	0016C		21558	LA R1,\$PCEORG-(PCENEXT-PCEDSECT) POINT TO PCE HEAD		K3952500
006730	BF1F 1008	00008		21559	CPSPCEL ICM R1,15,PCENEXT-PCEDSECT(R1) POINT TO NEXT PCE		K3953000
006734	4780 84BA	0675C		21560	BZ CPSPCEE EXIT IF END		K3953500
006738	9501 1053	00053		21561	CLI PCEID-PCEDSECT+1(R1),PCERDRID IS THIS A READER		K3954000
00673C	4770 848E	06730		21562	BNE CPSPCEL LOOP		K3954500
006740	9823 1048	00048		21563	LM WA,WB,PCEPCEA-PCEDSECT(R1) PICK UP DISPATCH PTRS		K3955000
006744	5020 3048	00048		21564	ST WA,PCEPCEA-PCEDSECT(,WB) REMOVE		K3955500
006748	5030 204C	0004C		21565	ST WB,PCEPCEB-PCEDSECT(,WA) PCE		K3956000
00674C	5010 1048	00048		21566	ST R1,PCEPCEA-PCEDSECT(,R1) QUEUE IT		K3956500
006750	5010 104C	0004C		21567	ST R1,PCEPCEB-PCEDSECT(,R1) TO ITSELF		K3957000
006754	9240 1050	00050		21568	MVI PCEEFW-PCEDSECT(R1),\$EWFOPER DEACTIVATE PROCESSOR		K3957500
006758	47F0 848E	06730		21569	B CPSPCEL LOOP		K3958000
00675C				21570	CPSPCEE DS 0H		K3958500
				21571	\$POST \$HASPECF,JOB TELL XEQ TO CLEAN UP		K3959000
00675C	94DF B4B1	004B1		21572+	NI \$HASPECF+\$EWBJOB,FF-\$EWFJOB RESET EVENT	@OZ27300	FX170000
				21574	CPJCRET \$CRET , GO BACK TO SLEEP	@OZ27300	K3960000
006760				21575+CPJCRET	DS 0H		Z0006000
006760	41F0 0000	00000		21576+	LA R15,CORTNORM NORMAL RETURN		K0137000
006764	47F0 C1AC	001AC		21577+	B CORET RETURN		K0137500
006768	9180 B470	00470		21579	CPJTEXIT TM \$EXECPC,X'80' XEQ SHUTDOWN COMPLETE...	@OZ27300	K3961000
00676C	4780 84BE	06760		21580	BZ CPJCRET BR IF NO TO WAIT	@OZ27300	K3961500
006770	9180 B4A0	004A0		21581	TM \$CKPTPC,X'80' CKPT SHUTDOWN COMPLETE...	@OZ27300	K3962000
006774	4780 84BE	06760		21582	BZ CPJCRET BR IF NO TO WAIT	@OZ27300	K3962500
				21583	* THIS CARD DELETED BY APAR	@OZ27300	K3963000
				21584	* THIS CARD DELETED BY APAR	@OZ27300	K3963500
				21585	* THIS CARD DELETED BY APAR	@OZ27300	K3964000
006778	58A0 B150	00150		21586	L R10,\$SSVT POINT TO SSVT		K3964500
00677C	4110 0001	00001		21587	LA R1,1 SET COMPLETION INDICATOR		K3965000
006780	5010 A190	00190		21588	ST R1,\$SVHASP-SSVT(,R1) SIGNAL THAT HASP IS GOING DOWN		K3965500
006784	58F0 C1CC	001CC		21589	L R15,CPSEXIT POINT TO EXIT ROUTINE		K3966000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
006788	07FF			21590	BR	R15 ENTER IT	K3966500
				21591	CPSRET	\$CRET MSG='JES2 NOT DORMANT -- SYSTEM NOW DRAINING'	K3967000
00678A				21592+	CPSRET	DS 0H	Z0006000
00678A	D226 D0B6 8BF3	000B6	06E95	21593+	MVC	COMMAND(39),=C'JES2 NOT DORMANT -- SYSTEM NOW DRAINING'	K0131000
006790	4100 0027		00027	21594+	LA	R0,39 SET LENGTH OF MSG IN R0	K0131500
006794	41F0 0008		00008	21595+	LA	R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
006798	47F0 C1AC		001AC	21596+	B	CORET RETURN	K0137500
				21597	DROP	R1	K3967500
00679C	E2E8E2C9C5C6E2C4			21599	STCQNM	DC C'SYSIEFSD' MAJOR NAME @OZ56448	K3967700
0067A4	E2E3C3D8E4C5			21600	STCRNM	DC C'STCQUE' MINOR NAME @OZ56448	K3967800

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21602	*****	K3968500
				21603	*	* K3969000
				21604	* \$VS COMMAND-- SEND VS2 COMMANDS TO VS2	* K3969500
				21605	* COMMUNICATIONS TASK VIA SVC34	* K3970000
				21606	*	* K3970500
				21607	*****	K3971000
0067AA				21608	CVS DS 0H ENTRY TO \$VS COMMAND	K3971500
0067AA	8656 810C	063AE		21609	BXH WD,WE,CDIINVO CHECK FOR OPERANDS	K3972000
				21610	\$CWTO TRUNC=YES TRUNCATE MLWTO FOR SVC 34	K3972500
0067AE				21611+	DS 0H	Z0006000
0067AE	1F00			21612+	SLR R0,R0 SET NULL LENGTH	K0167500
0067B0	4520 C09A	0009A		21613+	BAL WA,CWTOT REPLY TO OPERATOR	K0161500
0067B4	58F0 5000	00000		21614	CVSLOOP L R15,0(,WD) POINT TO 1ST OPERAND	K3973000
0067B8	5810 5004	00004		21615	L R1,4(,WD) POINT TO END OF 1ST OPERAND	K3973500
0067BC	957D F000	00000		21616	CLI 0(R15),C'''' CHECK FOR CORRECT FORMAT	K3974000
0067C0	4770 8562	06804		21617	BNE CVSINVO IF NOT -- ERROR @OZ70525	K3974500
0067C4	4B10 8BD6	06E78		21618	SH R1,=H'2' LOOK AT END FOR QUOTE ALSO	K3975000
0067C8	957D 1000	00000		21619	CLI 0(R1),C'''' MUST BE SURROUNDED BY QUOTES	K3975500
0067CC	4770 8562	06804		21620	BNE CVSINVO IF NOT -- ERROR @OZ70525	K3976000
0067D0	1F1F			21621	SLR R1,R15 COMPUTE SIZE OF VS2 CMND	K3976500
0067D2	4B10 8BD6	06E78		21622	SH R1,=H'2' LESS TWO FOR MACHINE	K3977000
0067D6	4740 8562	06804		21623	BM CVSINVO IF NEGATIVE -- ERROR @OZ70525	K3977500
0067DA	4410 856A	0680C		21624	EX R1,CVSCMND MOVE GOOD CMND TO BEGINNING OF	K3978000
0067DE	4100 1001	00001		21625	LA R0,1(,R1) AREA, AND GET TRUE LENGTH	K3978500
				21626	*****	K3978600
				21627	*	* K3978700
				21628	* MAKE SURE COMMAND IS NOT ALL BLANKS	* K3978800
				21629	*	* K3978900
				21630	*****	K3979000
0067E2	1810			21631	LR R1,R0 GET TRUE COMMAND LENGTH R41	K3979100
0067E4	9540 F001	00001		21632	CVSBLKCK CLI 1(R15),C'' IS CHARACTER A BLANK R41	K3979200
0067E8	4770 8556	067F8		21633	BNE CVSSVC34 IF NOT, GO TO ISSUE SVC 34 R41	K3979300
0067EC	41F0 F001	00001		21634	LA R15,1(,R15) POINT TO NEXT CHARACTER R41	K3979400
0067F0	4610 8542	067E4		21635	BCT R1,CVSBLKCK LOOP BACK IF MORE CHARACTERS R41	K3979500
0067F4	47F0 8562	06804		21636	B CVSINVO ELSE ALL BLANKS -- ERROR @OZ70525	K3979600
0067F8				21638	CVSSVC34 DS 0H SEND COMMAND TO VS2 R41	K3979800
				21639	\$CWTO L=(R0) SVC 34 THE COMMAND	K3979900
0067F8				21640+	DS 0H	Z0006000
0067F8	4520 C07A	0007A		21641+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
0067FC	8756 8512	067B4		21642	BXLE WD,WE,CVSLOOP AND LOOP THROUGH ALL CMNDS	K3980000
006800	47F0 8170	06412		21643	B CDIRET RETURN AFTER ALL CMNDS	K3980100
006804	947F D070	00070		21645	CVSINVO NI COMFLAG,FF-CMBFLAGC RESET TYPE=SVC34 BIT @OZ70525	K3980200
006808	47F0 810C	063AE		21646	B CDIINVO BR TO ERROR EXIT @OZ70525	K3980250
00680C	D200 D0B6 F001	000B6 00001		21648	CVSCMND MVC COMMAND(*-*),1(R15) **** EXECUTE ONLY ****	K3980500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21650	*****	K3981500
				21651	*	* K3982000
				21652	* \$ESYS,SID -- WARM START A SYSTEM THAT IS NOT ACTIVE	* K3982500
				21653	* OPERAND IS A VALID SID WHOSE NAME IS IN THE QSE TABLE	* K3983000
				21654	* ONLY ONE SYSTEM IS WARM-STARTABLE AT A TIME	* K3983500
				21655	*	* K3984000
				21656	* \$ESYS,RESET=SID -- CAUSE THE CHECKPOINT PROCESSOR TO	@OZ27300 K3984100
				21657	* GET THE DASD RESIDENT CHECKPOINT LOCK, BEING HELD BY	@OZ27300 K3984200
				21658	* SPECIFIED SYSTEM. THIS FORM OF THE COMMAND WILL BE	@OZ27300 K3984300
				21659	* IGNORED BY THE CHECKPOINT PROCESSOR UNLESS A MESSAGE	@OZ27300 K3984400
				21660	* (HASP264) HAS INFORMED THE OPERATOR THAT THE SYSTEM	@OZ27300 K3984500
				21661	* HAS BEEN UNABLE TO GET THE LOCK NORMALLY.	@OZ27300 K3984600
				21662	*	@OZ27300 K3984700
				21663	*****@OZ27300	K3984800
006812				21665	CES DS 0H RESTART SYSTEM	K3985500
006812	D503 D0B7 8B82	000B7	06E24	21666	CLC COMVERB(4),=C'ESYS' TEST FOR PROPER COMMAND FORMAT	K3986000
006818	4780 857E	06820		21667	BE CESYSOK YES--CONTINUE	K3986500
				21668	\$CFINVC , ELSE FLAG AS INVALID COMMAND	K3987000
00681C	47F0 C794	00794		21669+	B COFINVC REPLY INVALID COMMAND	K0621000
006820				21670	CESYSOK DS 0H CONTINUE \$ESYS COMMAND	K3987500
				21671	*	THIS CARD DELETED BY APAR @OZ27300 K3988000
				21672	*	THIS CARD DELETED BY APAR @OZ27300 K3988500
				21673	*	THIS CARD DELETED BY APAR @OZ27300 K3989000
006820	8656 810C	063AE		21674	BXH WD,WE,CDIINVO FETCH NEXT OPERAND	K3989500
006824	9812 5000	00000		21675	LM R1,WA,0(WD) PICK-UP OPERAND POINTERS	K3990000
006828	D505 8BD8 1000	06E7A	00000	21676	CLC =C'RESET=',0(R1) TEST FOR RESET= KEYWORD	@OZ27300 K3990100
00682E	4770 85AA	0684C		21677	BNE CESYSNRS BRANCH IF NOT	@OZ27300 K3990200
006832	4110 1006	00006		21678	LA R1,6(,R1) ELSE POINT TO RESET SID	@OZ27300 K3990300
006836	D504 8C1A 1000	06EBC	00000	21679	CLC =C'INITI',0(R1) 'INITIALIZATION' KEYWORD...	@OZ27300 K3990320
00683C	4770 85AA	0684C		21680	BNE CESYSNRS BR IF NO	@OZ27300 K3990340
006840	58E0 B4A0	004A0		21681	L R14,\$CKPTPCE ELSE SET SPECIAL SYS-ID	@OZ27300 K3990360
006844	9280 E102	00102		21682	MVI CKPRLSID-PCEDSECT(R14),X'80' FOR HASPCKPT	@OZ27300 K3990380
006848	47F0 8642	068E4		21683	B CESYSOKM BR TO EXIT	@OZ27300 K3990400
00684C	1F21			21684	CESYSNRS SLR WA,R1 COMPUTE OPERAND	@OZ27300 K3990500
00684E	0620			21685	BCTR WA,0 LENGTH	K3991000
006850	4920 8BDE	06E80		21686	CH WA,=H'4' TEST LENGTH	K3991500
006854	4770 810C	063AE		21687	BNE CDIINVO NOT CORRECT--ERROR	K3992000
				21688	*	THIS CARD DELETED BY APAR @OZ27300 K3992500
006858	5820 B1DC	001DC		21689	L WA,\$QSE1 POINT TO 1ST QSE	R4 K3993000
				21690	*	THIS CARD DELETED BY APAR @OZ27300 K3993500
		00000		21691	USING QSEDECT,WA QSE ADDRESSABILITY	K3994000
				21692	*	THIS CARD DELETED BY APAR @OZ27300 K3994500
00685C	D503 2008 1000	00008	00000	21693	CESLOOP CLC QSESID,0(R1) TEST FOR MATCH WITH OPERAND	@OZ27300 K3995000
006862	4780 85D4	06876		21694	BE CESYSFND YES--RESTART IT	K3995500
006866	9101 2012	00012		21695	TM QSEFLAGS,QSELAST TEST FOR LAST ELEMENT	K3996000
00686A	4120 2014	00014		21696	LA WA,QSELEN(,WA) BUMP TO NEXT QSE	@OZ27300 K3996100
00686E	4780 85BA	0685C		21697	BZ CESLOOP NOT LAST -- LOOP	K3996500
006872	47F0 810C	063AE		21698	B CDIINVO LAST -- ERROR	K3997000
006876				21699	CESYSFND DS 0H SYSTEM ID FOUND	K3997500
006876	5515 0000	00000		21700	CL R1,0(WD) WAS RESET= KEYWORD FOUND	@OZ27300 K3997600
00687A	4780 85EA	0688C		21701	BE CESYSQS BR IF NO, NORMAL \$ESYS	@OZ27300 K3997700
00687E	58E0 B4A0	004A0		21702	L R14,\$CKPTPCE ELSE, PICK UP CKPT PCE	@OZ27300 K3997800
006882	D200 E102 200C	00102	0000C	21703	MVC CKPRLSID-PCEDSECT(,R14),QSESIBSY SET SYSTEM ID	@OZ27300 K3997900
006888	47F0 8642	068E4		21704	B CESYSOKM AND EXIT	@OZ27300 K3998000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21705	CESYSQS \$QSUSE ,	ENQUEUE ON SHARED RESOURCES @OZ27300 K3998100
00688C	05F0			21706+	CESYSQS BALR R15,0	SET RETURN ADDR FROM \$QSUSE R4 GM014000
00688E	9180 B427	00427		21707+	TM \$STATUS,\$QSONDA	MAY QUEUES BE USED... @OZ27300 GM016000
006892	4770 B068	00068		21708+	BNZ \$QSUSES	BR TO \$QSUSE ROUTINE IF NO R4 GM024000
006896	5830 B224	00224		21709	L WB,\$ESYSQSE	POINT TO QSE WARM START PTR @OZ27300 K3998200
00689A	1233			21710	LTR WB,WB	TEST FOR ACTIVE @OZ27300 K3998300
00689C	4770 864A	068EC		21711	BNZ CESYSERR	IF ACTIVE--EXIT WITH MSG @OZ27300 K3998400
0068A0	B205 D090	00090		21712	STCK COMDWORK	STORE TOD CLOCK VALUE @OZ27300 K3998500
0068A4	5840 D090	00090		21713	L WC,COMDWORK	GET TIME @OZ66505 K3998600
0068A8	5F40 2000	00000		21714	SL WC,QSESITIM	DIFFERENCE AS @OZ66505 K3999000
0068AC	1044			21715	LPR WC,WC	A POSITIVE VALUE @OZ66505 K3999500
0068AE	5540 B2A4	002A4		21716	CL WC,\$SYNCTOL	SYSTEM STILL ACTIVE... @OZ66505 K4000000
0068B2	47D0 8680	06922		21717	BNH CESYSACT	BR IF ACTIVE @OZ66505 K4000500
0068B6	5020 B224	00224		21718	ST WA,\$ESYSQSE	SET QSE TO BE WARM STARTED K4001000
0068BA	94F8 2013	00013		21719	NI QSESTAT,FF-QSERSTID	INDICATE \$ESYS @OZ35996 K4001500
0068BE	D600 2013 B425	00013 00425		21720	OC QSESTAT,\$SIDBUSY	IN PROGRESS @OZ35996 K4001600
0068C4	9680 2013	00013		21721	OI QSESTAT,QSEACTIV	ON THIS SYSTEM @OZ35996 K4001700
0068C8	58F0 B49C	0049C		21722	L R15,\$WARMPC	POINT TO WARM START PCE R4 K4002000
				21723	\$POST (R15),WORK	POST FOR WORK K4002500
0068CC	94EF F050	00050		21724+	NI PCEEFW-PCEDSECT(R15),255-\$EWFWORK	RESET INHIBITS FX074000
0068D0	4770 8642	068E4		21725+	BNZ *+20	SKIP QUEUEING IF INHIBITED FX076000
0068D4	90E3 B388	00388		21726+	STM LINK,R3,\$POSTSAV	SAVE REGISTERS FX078000
0068D8	411F 0000	00000		21727+	LA R1,0(R15)	POINT TO PCE FX086000
0068DC	45E0 B01C	0001C		21728+	BAL LINK,\$POST	QUEUE THE PCE ON READY QUEUE FX088000
0068E0	98E3 B388	00388		21729+	LM LINK,R3,\$POSTSAV	RESTORE REGISTERS FX090000
				21731	CESYSOKM \$CRET MSG=OK	AND EXIT WITH 'OK' @OZ27300 K4003500
0068E4				21732+	CESYSOKM DS 0H	Z0006000
0068E4	41F0 0004	00004		21733+	LA R15,CORTOK	RETURN AND ISSUE OK MESSAGE K0136000
0068E8	47F0 C1AC	001AC		21734+	B CORET	RETURN K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
				21736 *		MESSAGE THAT WARM START TASK IS BUSY	K4004500
0068EC				21738	CESYSERR DS	0H WARM START PCE IS BUSY	K4005500
0068EC	D215 D0B6 86AA	000B6	0694C	21739	MVC	COMMAND(CESYSLN1),CESYSMS1 SET MESSAGE HEADER	K4006000
0068F2	5820 B1DC	001DC		21740	L	WA,\$QSE1 POINT TO 1ST QSE R4	K4006500
				21741 *		THIS CARD DELETED BY APAR @OZ27300	K4007000
				21742 *		THIS CARD DELETED BY APAR @OZ27300	K4007500
0068F6	1532			21743	CESYSERL CLR	WB,WA SID BEING WARM STARTED @OZ27300	K4008000
0068F8	4780 866E	06910		21744	BE	CESYSERF FOUND SID BEING WARM-STARTED	K4008500
0068FC	9101 2012	00012		21745	TM	QSEFLAGS,QSELAST TEST FOR LAST	K4009000
006900	4120 2014	00014		21746	LA	WA,QSELEN(,WA) BUMP TO NEXT QSE @OZ27300	K4009100
006904	4780 8654	068F6		21747	BZ	CESYSERL IF NOT LAST LOOP	K4009500
006908	4100 0015	00015		21748	LA	R0,CESYSLN1-1 SET MSG LENGTH FOR SID NOT FOUND	K4010000
00690C	47F0 8678	0691A		21749	B	CESYSWTO AND EXIT WITH DIAGNOSTIC	K4010500
006910				21750	CESYSERF DS	0H SID BEING WARM/STARTED WAS FOUND	K4011000
006910	D203 D0CC 2008	000CC	00008	21751	MVC	COMMAND+CESYSLN1(L'QSESID),QSESID SET SID NAME	K4011500
006916	4100 001A	0001A		21752	LA	R0,CESYSLN1+L'QSESID SET MESSAGE LENGTH	K4012000
00691A				21753	CESYSWTO DS	0H SEND MESSAGE	K4012500
				21754	\$CRET	L=(R0) EXIT WITH DIAGNOSTIC	K4013000
00691A				21755+	DS	0H Z0006000	
00691A	41F0 0008	00008		21756+	LA	R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
00691E	47F0 C1AC	001AC		21757+	B	CORET RETURN	K0137500
				21759 *		MESSAGE THAT CURRENT SID IS ACTIVE	K4014000
006922				21761	CESYSACT DS	0H SID IS ACTIVE	K4015000
006922	D203 D0B6 2008	000B6	00008	21762	MVC	COMMAND(L'QSESID),QSESID SET SID NAME	K4015500
006928	9107 2013	00013		21763	TM	QSESTAT,QSERSTID \$ESYS IN PROGRESS... @OZ35996	K4015600
00692C	4780 869C	0693E		21764	BZ	CESYSN\$E BR IF NO @OZ35996	K4015700
006930	1832			21765	LR	WB,WA RELOAD QSE ADDRESS @OZ35996	K4015800
006932	4560 874C	069EE		21766	BAL	WE,CLSYSRST ISSUE 'RESTARTING' REPLY @OZ35996	K4015900
				21767	\$CRET	, EXIT @OZ35996	K4016000
006936				21768+	DS	0H Z0006000	
006936	41F0 0000	00000		21769+	LA	R15,CORTNORM NORMAL RETURN	K0137000
00693A	47F0 C1AC	001AC		21770+	B	CORET RETURN	K0137500
00693E	D222 D0BA 86C0	000BA	06962	21772	CESYSN\$E MVC	COMMAND+L'QSESID(CESYSLN2),CESYSMS2 SET TEXT @OZ35996	K4016200
006944	4100 0027	00027		21773	LA	R0,L'QSESID+CESYSLN2 SET DIAGNOSTIC LENGTH	K4016500
006948	47F0 8678	0691A		21774	B	CESYSWTO AND EXIT WITH MESSAGE	K4017000
00694C	E3C1E2D240C2E4E2			21776	CESYSMS1 DC	C'TASK BUSY RE-STARTING ' WARMSTART ACTIVE MSG @OZ27300	K4018000
			00016	21777	CESYSLN1 EQU	*-CESYSMS1 LENGTH OF DIAGNOSTIC	K4018500
006962	40C9E240C1C3E3C9			21779	CESYSMS2 DC	C' IS ACTIVE AND CANNOT BE RE-STARTED'	K4019500
			00023	21780	CESYSLN2 EQU	*-CESYSMS2 LENGTH OF DIAGNOSTIC	K4020000
				21782	DROP	WA DROP QSE ADDRESSABILITY	K4021000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21784	*****	K4022000
				21785	*	* K4022500
				21786	* \$LSYS -- LIST STATUS OF SYSTEMS IN MULTI-SYSTEM NODE	* K4023000
				21787	* NO OPERANDS ARE REQUIRED	* K4023500
				21788	*	* K4024000
				21789	*****	K4024500
006986				21791	CLSYS DS 0H ENTER LIST SYSTEM STATUS	K4025500
006986	9109 D07F	0007F		21792	TM COMAUTH,COMR+COMS TEST FOR RESTRICTED CONSOLE	R4 K4026000
00698A	4770 810C	063AE		21793	BNZ CDIINVO YES--INVALID AUTH FOR THIS CMND	K4026500
00698E	5830 B1DC	001DC		21794	L WB,\$QSE1 POINT TO 1ST QSE	R4 K4027000
006992	47F0 8708	069AA		21795	B CLSYSMVC ENTER COMMON DISPLAY ROUTINE	R4 K4027500
			00000	21796	USING QSEDESECT,WB QSE ADDRESSABILITY	K4028000
006996	9101 3012	00012		21797	CLSYSLP TM QSEFLAGS,QSELAST TEST FOR LAST ELEMENT	K4028500
00699A	4780 8704	069A6		21798	BZ CLSYSQSE NOT LAST -- ENTER DISPLAY ROUTINE	K4029000
				21799	\$CRET , ELSE EXIT	K4029500
00699E				21800+	DS 0H	Z0006000
00699E	41F0 0000	00000		21801+	LA R15,CORTNORM NORMAL RETURN	K0137000
0069A2	47F0 C1AC	001AC		21802+	B CORET RETURN	K0137500
0069A6	4130 3014	00014		21804	CLSYSQSE LA WB,QSELEN(,WB) POINT TO NEXT QSE	@OZ27300 K4030500
0069AA	D203 D0B6 3008	000B6 00008		21805	CLSYSMVC MVC COMMAND(L'QSESID),QSESID SET SID NAME IN MESSAGE	R4 K4031000
				21806	*	THIS LINE DELETED BY APAR @OZ35996 K4031500
				21807	*	THIS LINE DELETED BY APAR @OZ35996 K4032000
				21808	*	THIS LINE DELETED BY APAR @OZ35996 K4032200
				21809	*	THIS LINE DELETED BY APAR @OZ35996 K4032400
0069B0	9180 3013	00013		21810	TM QSESTAT,QSEACTIV TEST FOR ACTIVE SYSTEM	R4 K4032500
0069B4	4780 873A	069DC		21811	BZ CLSYSDWN BR IF NO	R4 K4033000
0069B8	B205 D090	00090		21812	STCK COMDWORK SAVE TOD CLOCK VALUE	K4033500
0069BC	5840 D090	00090		21813	L WC,COMDWORK GET TIME	@OZ66505 K4034000
0069C0	5F40 3000	00000		21814	SL WC,QSESITIM DIFFERENCE AS	@OZ66505 K4034500
0069C4	1044			21815	LPR WC,WC POSITIVE VALUE	@OZ66505 K4035000
0069C6	5540 B2A4	002A4		21816	CL WC,\$SYNCTOL IS SYSTEM ACTIVE...	@OZ66505 K4035500
0069CA	47D0 8774	06A16		21817	BNH CLSYSACT BR IF ACTIVE	@OZ66505 K4036000
0069CE	D207 D0BA 8B66	000BA 06E08		21818	MVC COMMAND+L'QSESID(8),=C' DORMANT' SHOW MAYBE DOWN	R4 K4036500
0069D4	4150 D0C2	000C2		21819	LA R5,COMMAND+L'QSESID+8 GET ADDR FOR TOD INSERT	@OZ74308 K4037000
0069D8	47F0 87AA	06A4C		21820	B CLSYSTOD AND BR TO INSERT IT	@OZ74308 K4037500
0069DC				21821	CLSYSDWN DS 0H SYSTEM DEFINTELY NOT UP	R4 K4038000
0069DC	D208 D0BA 8C1F	000BA 06EC1		21822	MVC COMMAND+L'QSESID(9),=C' INACTIVE' SET REST OF MESSAGE	K4038500
0069E2	4100 000D	0000D		21823	LA R0,L'QSESID+9 SET MESSAGE LENGTH	K4039000
0069E6				21824	CLSYSWTO DS 0H SEND MESSAGE OF STATUS	K4039500
				21825	\$CWTO L=(R0) SEND IT	K4040000
0069E6				21826+	DS 0H	Z0006000
0069E6	4520 C07A	0007A		21827+	BAL WA,CWTO REPLY TO OPERATOR	K0161500
0069EA	47F0 86F4	06996		21828	B CLSYSLP AND LOOP FOR MORE	K4040500

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM	0201	06.59	01/28/22
0069EE	D20F	D0BA	8B6E	000BA	06E10	21830	CLSYSRST MVC	COMMAND+L'QSESID(16),=C'	RE-STARTING ON	' MSG	@OZ35996 K4041500
0069F4	4320	3013		00013		21831	IC	WA,QSESTAT	GET ADDRESS		@OZ35996 K4042000
0069F8	5420	8B86		06E28		21832	N	WA,=A(QSERSTID)	OF QSE		@OZ35996 K4042500
0069FC	0620					21833	BCTR	WA,0	OF SYSTEM		@OZ35996 K4043000
0069FE	4C20	8BE0		06E82		21834	MH	WA,=Y(QSELEN)	PERFORMING		@OZ35996 K4043500
006A02	5E20	B1DC		001DC		21835	AL	WA,\$QSE1	\$ESYS		@OZ35996 K4044000
006A06	D203	D0CA	2008	000CA	00008	21836	MVC	COMMAND+L'QSESID+16(L'QSESID),QSESID-QSEDSCT(WA)		OZ35996	K4044100
006A0C	4100	0018		00018		21837	LA	R0,2*L'QSESID+16	SET MESSAGE LENGTH		@OZ35996 K4044200
						21838	\$CWTO	L=(R0)	ISSUE REPLY		@OZ35996 K4044300
006A10						21839+	DS	0H			Z0006000
006A10	4520	C07A		0007A		21840+	BAL	WA,CWTO	REPLY TO OPERATOR		K0161500
006A14	07F6					21841	BR	WE	RETURN	@OZ35996	K4044400
006A16	9107	3013		00013		21843	CLSYSACT TM	QSESTAT,QSERSTID	\$ESYS IN PROGRESS...	@OZ35996	K4044600
006A1A	4780	8784		06A26		21844	BZ	CLSYSNRS	BR IF NO	@OZ35996	K4044700
006A1E	4560	874C		069EE		21845	BAL	WE,CLSYSRST	ISSUE 'RESTARTING' REPLY	@OZ35996	K4044800
006A22	47F0	86F4		06996		21846	B	CLSYSLP	BR TO CONTINUE	@OZ35996	K4044900
006A26	D206	D0BA	8C28	000BA	06ECA	21848	CLSYSNRS MVC	COMMAND+L'QSESID(7),=C'	ACTIVE' SET MSG TEXT	@OZ35996	K4045100
006A2C	4150	D0C1		000C1		21849	LA	R5,COMMAND+L'QSESID+7	GET ADDR FOR TOD INSERT	@OZ74308	K4045500
006A30	D503	3008	B418	00008	00418	21850	CLC	QSESID,\$SID	TEST FOR SAME SYSTEM		K4046000
006A36	4770	87AA		06A4C		21851	BNE	CLSYSTOD	NO--CAN'T DETERMINE MODE	@OZ74308	K4046500
006A3A	9108	B427		00427		21852	TM	\$STATUS,\$INDMODE	TEST FOR IND MODE		K4047000
006A3E	4780	87AA		06A4C		21853	BZ	CLSYSTOD	NO--SEND MESSAGE AS IS	@OZ74308	K4047500
006A42	D210	D0C1	8C2F	000C1	06ED1	21854	MVC	COMMAND+L'QSESID+7(17),=C'	INDEPENDENT MODE' SET MSG		K4048000
006A48	4150	D0D2		000D2		21855	LA	R5,COMMAND+L'QSESID+24	GET ADDR FOR TOD INSERT	@OZ74308	K4048020
006A4C	9801	3000		00000		21857	CLSYSTOD LM	R0,R1,QSESITIM	GET LAST CHECKPOINT TIME	@OZ74308	K4048060
006A50	45E0	87C0		06A62		21858	BAL	R14,CLSTIME	INSERT TIME AND DATE	@OZ74308	K4048080
006A54	4100	5020		00020		21859	LA	R0,CLSYSTD(,R5)	GET MESSAGE	@OZ74308	K4048100
006A58	4110	D0B6		000B6		21860	LA	R1,COMMAND	LENGTH AND	@OZ74308	K4048120
006A5C	1B01					21861	SR	R0,R1	RESPOND TO	@OZ74308	K4048140
006A5E	47F0	8744		069E6		21862	B	CLSYSWTO	OPERATOR	@OZ74308	K4048160
						21864	DROP WB		DROP QSE ADDRESSABILITY	@OZ74308	K4048200

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21866	*****	@OZ74308 K4048240
				21867	*	* @OZ74308 K4048260
				21868	* CLSTIME - SUBROUTINE TO CONVERT S/370 TOD	* @OZ74308 K4048280
				21869	*	* @OZ74308 K4048300
				21870	* SUBROUTINE TO CONVERT S/370 TOD (FROM 'STCK' INSTR)	* @OZ74308 K4048320
				21871	* TO GMT TIME OF DAY (HRS.MINS.SECS) AND JULIAN DATE	* @OZ74308 K4048340
				21872	*	* @OZ74308 K4048360
				21873	* INPUT R0 & R1 DOUBLEWORD S/370 TOD	* @OZ74308 K4048380
				21874	* R5 TIME AND DATE INSERT ADDRESS	* @OZ74308 K4048400
				21875	* R14 RETURN ADDRESS	* @OZ74308 K4048420
				21876	*	* @OZ74308 K4048440
				21877	* OUTPUT THE GMT TIME AND JULIAN DATE ARE INSERTED	* @OZ74308 K4048460
				21878	* AT THE LOCATION PASSED IN R5	* @OZ74308 K4048480
				21879	*	* @OZ74308 K4048500
				21880	*****	@OZ74308 K4048520
006A62				21882	CLSTIME DS 0H	@OZ74308 K4048560
006A62	8C00 000C	0000C		21883	SRDL R0,12	R0,R1 = TIME IN MICROSECO @OZ74308 K4048580
006A66	1200			21884	LTR R0,R0	WAS TOD CLOCK VALUE STORE @OZ74308 K4048600
006A68	4780 8886	06B28		21885	BZ CLSYRTN	RETURN IF NOT @OZ74308 K4048620
006A6C	1863			21886	LR R6,R3	SAVE QSE ADDRESS @OZ74308 K4048640
006A6E	5D00 8B8A	06E2C		21887	D R0,=F'6E7'	R1 = TIME IN MINUTES @OZ74308 K4048660
006A72	1830			21888	LR R3,R0	R3 = MICROSEC LT 1 MINUTE @OZ74308 K4048680
006A74	1F22			21889	SLR R2,R2	CHANGE MICROSEC @OZ74308 K4048700
006A76	5D20 8B8E	06E30		21890	D R2,=F'1E4'	TO .01 SEC UNITS, @OZ74308 K4048720
006A7A	1843			21891	LR R4,R3	SAVE IN REG 4 @OZ74308 K4048740
006A7C	1F00			21892	SLR R0,R0	R1 = TIME IN DAYS @OZ74308 K4048760
006A7E	5D00 8B92	06E34		21893	D R0,=A(24*60)	SINCE START OF CLOCK @OZ74308 K4048780
006A82	1830			21894	LR R3,R0	R3 = MINUTES LT 1 DAY @OZ74308 K4048800
006A84	5C20 8B96	06E38		21895	M R2,=A(60*100)	R3 = .01 SEC UNITS LT 1 D @OZ74308 K4048820
006A88	1E43			21896	ALR R4,R3	R4 = TOD, .01 SEC UNITS @OZ74308 K4048840
006A8A	5B10 8B9A	06E3C		21898	S R1,=F'365'	NORMALIZE DAYS TO A.D. 1900 @OZ74308 K4048880
006A8E	4740 8888	06B2A		21899	BM CLSY1900	BRANCH IF YEAR = 1900 @OZ74308 K4048900
006A92	1F00			21900	SLR R0,R0	R1 = NO. OF J-YEAR GROUPS, @OZ74308 K4048920
006A94	5D00 8B9E	06E40		21901	D R0,=A(365*3+366)	R0 = DAYS LT 4 YEARS @OZ74308 K4048940
006A98	1E11			21902	ALR R1,R1	R2 = YEARS SINCE 1900, @OZ74308 K4048960
006A9A	4121 1001	00001		21903	LA R2,1(R1,R1)	LESS ODD YEARS IN GROUP @OZ74308 K4048980
006A9E	1810			21904	LR R1,R0	MOVE REMAINDER TO R1 @OZ74308 K4049000
006AA0	1F00			21905	SLR R0,R0	R1 = YEARS SINCE LEAP YEAR, @OZ74308 K4049020
006AA2	5D00 8B9A	06E3C		21906	D R0,=F'365'	R0 = DAYS LT 1 YEAR @OZ74308 K4049040
006AA6	5910 8BA2	06E44		21907	C R1,=F'3'	CHECK FOR END OF LEAP @OZ74308 K4049060
006AAA	47D0 8812	06AB4		21908	BNH CLSYLEAP	YEAR, BRANCH IF NOT @OZ74308 K4049080
006AAE	4100 016D	0016D		21909	LA R0,365	RESET DATE TO DEC 31, @OZ74308 K4049100
006AB2	0610			21910	BCTR R1,0	DECREMENT YEAR BY 1 @OZ74308 K4049120

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
006AB4	1830			21912	CLSYLEAP LR	R3,R0 SET R3 TO DAY OF YEAR,	@OZ74308 K4049160
006AB6	4130 3001	00001		21913	LA	R3,1(,R3) STARTING WITH JANUARY 1	@OZ74308 K4049180
006ABA	1E12			21914	ALR	R1,R2 SET R1 TO YEAR	@OZ74308 K4049200
006ABC	5C00 8BA6	06E48		21915	M	R0,=F'1000' SHIFT YEAR LEFT 3 DIGITS	@OZ74308 K4049220
006AC0	1E13			21916	ALR	R1,R3 R1 = BINARY 'YYDDD'	@OZ74308 K4049240
		00000		21918	USING	CLSYSTIM,R5 GET INSERT ADDRESSABILITY	@OZ74308 K4049280
006AC2	4E10 B3E0	003E0		21920	CLSYTCVD CVD	R1,\$DOUBLE CONVERT TO DECIMAL	@OZ74308 K4049320
006AC6	960F B3E7	003E7		21921	OI	\$DOUBLE+7,X'0F' MAKE SIGN PRINTABLE	@OZ74308 K4049340
006ACA	D212 5000 8890	00000 06B32		21922	MVC	CLSYSTIM,CLSYTMSK SET TIME AND	@OZ74308 K4049360
006AD0	D20C 5013 88A3	00013 06B45		21923	MVC	CLSYSDAT,CLSYDMSK DATE MASK	@OZ74308 K4049380
006AD6	F342 B3E0 B3E5	003E0 003E5		21924	UNPK	\$DOUBLE(5),\$DOUBLE+5(3) MAKE DATE PRINTABLE	@OZ74308 K4049400
006ADC	D201 501A B3E0	0001A 003E0		21925	MVC	CLSYSYR,\$DOUBLE INSERT YEAR	@OZ74308 K4049420
006AE2	D202 501D B3E2	0001D 003E2		21926	MVC	CLSYSJDA,\$DOUBLE+2 AND JULIAN DAY	@OZ74308 K4049440
006AE8	1814			21927	LR	R1,R4 CONVERT TIME IN	@OZ74308 K4049460
006AEA	1F00			21928	SLR	R0,R0 .01 SEC UNITS	@OZ74308 K4049480
006AEC	5D00 8BAA	06E4C		21929	D	R0,=A(100) TO SECONDS	@OZ74308 K4049500
006AF0	1F00			21930	SLR	R0,R0 GET MINUTES	@OZ74308 K4049520
006AF2	5D00 8BAE	06E50		21931	D	R0,=A(60) AND SECONDS	@OZ74308 K4049540
006AF6	4E00 B3E0	003E0		21932	CVD	R0,\$DOUBLE SAVE SECONDS	@OZ74308 K4049560
006AFA	960F B3E7	003E7		21933	OI	\$DOUBLE+7,X'0F' MAKE PRINTABLE	@OZ74308 K4049580
006AFE	F311 5011 B3E6	00011 003E6		21934	UNPK	CLSYSSEC,\$DOUBLE+6(2) SECONDS	@OZ74308 K4049600
006B04	1F00			21935	SLR	R0,R0 GET HOURS	@OZ74308 K4049620
006B06	5D00 8BAE	06E50		21936	D	R0,=A(60) AND MINUTES	@OZ74308 K4049640
006B0A	4E00 B3E0	003E0		21937	CVD	R0,\$DOUBLE SAVE MINUTES	@OZ74308 K4049660
006B0E	960F B3E7	003E7		21938	OI	\$DOUBLE+7,X'0F' MAKE PRINTABLE	@OZ74308 K4049680
006B12	F311 500E B3E6	0000E 003E6		21939	UNPK	CLSYSMIN,\$DOUBLE+6(2) MINS	@OZ74308 K4049700
006B18	4E10 B3E0	003E0		21940	CVD	R1,\$DOUBLE SAVE HOURS	@OZ74308 K4049720
006B1C	960F B3E7	003E7		21941	OI	\$DOUBLE+7,X'0F' MAKE PRINTABLE	@OZ74308 K4049740
006B20	F311 500B B3E6	0000B 003E6		21942	UNPK	CLSYSHR,\$DOUBLE+6(2) HOURS	@OZ74308 K4049760
006B26	1836			21944	LR	R3,R6 RESTORE QSE ADDRESS	@OZ74308 K4049800
006B28	07FE			21945	CLSYRTN BR	R14 RETURN TO CALLER	@OZ74308 K4049820
006B2A	5E10 8B9A	06E3C		21947	CLSY1900 AL	R1,=F'365' RESTORE DATE - PROPER VALUE	@OZ74308 K4049860
006B2E	47F0 8820	06AC2		21948	B	CLSYTCVD PROCESS WITH YEAR SET TO 0	@OZ74308 K4049880
006B32	40C7D4E340E3C9D4			21950	CLSYTMSK DC	C' GMT TIME= **.**.**. GMT TIME MASK	@OZ74308 K4049920
006B45	40C4C1E3C57E405C			21951	CLSYDMSK DC	C' DATE= **.***' GMT DATE MASK	@OZ74308 K4049940
		00000		21953	CLSYSTIM EQU	0,19 TIME KEYWORD	@OZ74308 K4049980
		0000B		21954	CLSYSHR EQU	CLSYSTIM+11,2 HOURS FIELD IN MESSAGE	@OZ74308 K4050000
		0000E		21955	CLSYSMIN EQU	CLSYSHR+3,2 MINS FIELD IN MESSAGE	@OZ74308 K4050020
		00011		21956	CLSYSSEC EQU	CLSYSMIN+3,2 SECS FIELD IN MESSAGE	@OZ74308 K4050040
		00013		21957	CLSYSDAT EQU	CLSYSSEC+2,13 DATE KEYWORD	@OZ74308 K4050060
		0001A		21958	CLSYSYR EQU	CLSYSDAT+7,2 JULIAN YEAR FIELD	@OZ74308 K4050080
		0001D		21959	CLSYSJDA EQU	CLSYSYR+3,3 JULIAN DAY FIELD	@OZ74308 K4050100
		00020		21960	CLSYSTDL EQU	L'CLSYSTIM+L'CLSYSDAT LENGTH OF TOD INSERT	@OZ74308 K4050120
				21962	DROP	R5	@OZ74308 K4050160

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				21964	*****	K4050500
				21965	*	* K4051000
				21966	* \$TALL,SID1,+ - OR NULL SID2,SID3,...SIDN	* K4051500
				21967	* SID1 = SID THAT CURRENTLY HAS JOB(S) AFFINITY	* K4052000
				21968	* SID2 = SID'S TO WHICH JOB(S) ARE TO BE RE-ROUTED	* K4052500
				21969	* + OR - MEANS THAT SID2...SIDN WILL BE ADDED OR SUBTRACTED	* K4053000
				21970	* THE WORD 'ANY' MAY BE USE TO SET A SYSTEM AFF TO 'ANY'	* K4053500
				21971	* THE WORD 'IND' WHEN USED MEANS INDEPENDENT MODE	* K4054000
				21972	* AND INDICATES THAT JOBS ARE TO BE PLACED IN THAT SELECTION	* K4054500
				21973	* MODE	* K4055000
				21974	*	* K4055500
				21975	*****	K4056000
006B52				21977	CTALL DS 0H	K4057000
006B52	9109 D07F	0007F		21978	TM COMAUTH,COMR+COMS TEST FOR RESTRICTED CONSOLE	R4 K4057500
006B56	4780 88BC	06B5E		21979	BZ CTALLAOK NO -- AUTHORITY IS 'OK'	K4058000
				21980	\$CFINVC , AUTHORITY IS INVALID FOR COMMAND	K4058500
006B5A	47F0 C794	00794		21981+	B COFINVC REPLY INVALID COMMAND	K0621000
006B5E				21982	CTALLAOK DS 0H	K4059000
006B5E	8656 810C	063AE		21983	BXH WD,WE,CDIINVO SKIP TO NEXT OPERAND	K4059500
				21984	\$QSUSE REQUEST ACCESS TO CHECKPOINT DATA	R4 K4060000
006B62	05F0			21985+	BALR R15,0 SET RETURN ADDR FROM \$QSUSE	R4 GM014000
006B64	9180 B427	00427		21986+	TM \$STATUS,\$QSONDA MAY QUEUES BE USED...	@OZ27300 GM016000
006B68	4770 B068	00068		21987+	BNZ \$QSUSES BR TO \$QSUSE ROUTINE IF NO	R4 GM024000
006B6C	9812 5000	00000		21988	LM R1,WA,0(WD) PICK-UP OPERAND POINTERS	K4060500
006B70	1F33			21989	SLR WB,WB ZERO INSERT REGISTER	K4061000
006B72	D502 1000 8C40	00000 06EE2		21990	CLC 0(3,R1),=C'IND' TEST FOR 'IND' JOBS	K4061500
006B78	4770 88E2	06B84		21991	BNE CTALLNIN NO--TRY SPECIFIC SID	K4062000
006B7C	4330 8C43	06EE5		21992	IC WB,=AL1(QUEINDAF) PICK-UP IND BIT	K4062500
006B80	47F0 8912	06BB4		21993	B CTALLFDA AND TRY FOR NEXT OPERAND	K4063000
006B84				21994	CTALLNIN DS 0H NOT REQUEST FOR 'IND' JOBS	K4063500
006B84	1F21			21995	SLR WA,R1 COMPUTE	K4064000
006B86	0620			21996	BCTR WA,0 OPERAND LENGTH	K4064500
006B88	4920 8BDE	06E80		21997	CH WA,=H'4' CHECK FOR PROPER LENGTH	K4065000
006B8C	4770 810C	063AE		21998	BNE CDIINVO NO--ERROR	K4065500
006B90	41F0 890E	06BB0		21999	LA R15,CTALLFD1 POINT TO FOUND ROUTINE	K4066000
006B94				22000	CTALSCAN DS 0H SCAN QSE(S) FOR OPERAND	K4066500
006B94	5820 B1DC	001DC		22001	L WA,\$QSE1 POINT TO 1ST QSE	R4 K4067000
				22002	*	THIS CARD DELETED BY APAR @OZ27300 K4067500
		00000		22003	USING QSEDECT,WA QSE ADDRESSABILITY	K4068000
				22004	*	THIS CARD DELETED BY APAR @OZ27300 K4068500
006B98	D503 2008 1000	00008 00000		22005	CTALLP1 CLC QSESID,0(R1) CHECK FOR MATCH	@OZ27300 K4069000
006B9E	078F			22006	BER R15 ENTER APPROPRIATE RTN	K4069500
006BA0	9101 2012	00012		22007	TM QSEFLAGS,QSELAST TEST FOR LAST ONE	K4070000
006BA4	4120 2014	00014		22008	LA WA,QSELEN(,WA) BUMP TO NEXT QSE	@OZ27300 K4070100
006BA8	4780 88F6	06B98		22009	BZ CTALLP1 NO LAST -- LOOP	K4070500
006BAC	47F0 810C	063AE		22010	B CDIINVO NOT FOUND--ERROR	K4071000
006BB0				22011	CTALLFD1 DS 0H FOUND OPERAND ONE	K4071500
006BB0	4330 200D	0000D		22012	IC WB,QSESIAFF SET AFFINITY FOR 'EX'	K4072000
006BB4				22013	CTALLFDA DS 0H TRY FOR NEXT OPERAND	K4072500
006BB4	8656 810C	063AE		22014	BXH WD,WE,CDIINVO GET NEXT OPERAND OR ERROR	K4073000
006BB8	5810 5000	00000		22015	L R1,0(,WD) POINT TO OPERAND	K4073500
006BBC	9200 D08C	0008C		22016	MVI CTALLAFF,0 SET NO AFFINITY	K4074000
006BC0	10A6			22017	LPR R10,WE ASSUME ADDITION	K4074500
006BC2	954E 1000	00000		22018	CLI 0(R1),C'+ ' CHECK FOR ADDITION	K4075000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22	
006BC6	4780	8936	06BD8		22019	BE	CTALCHG	YES -- GO DO IT K4075500	
006BCA	11AA				22020	LNR	R10,R10	ASSUME DELETION OF AFFINITIES K4076000	
006BCC	9560	1000	00000		22021	CLI	0(R1),C'-'	TEST FOR SAME K4076500	
006BD0	4780	8936	06BD8		22022	BE	CTALCHG	YES -- GO DO IT K4077000	
006BD4	1FAA				22023	SLR	R10,R10	SET NO ADDITION OR SUBTRACTION K4077500	
006BD6	0610				22024	BCTR	R1,0	PT BEFOR NO-EXISTANT '+' OR '-' K4078000	
006BD8					22025	CTALCHG DS	0H	CONTINUE OPERAND SCAN K4078500	
006BD8	4110	1001	00001		22026	LA	R1,1(,R1)	POINT PAST POSSIBLE '+' OR '-' K4079000	
					22028	*	OTHER THAN FIRST OPERAND FOUND	K4080000	
006BDC	D502	1000	8C44	00000	06EE6	22029	CTALLOOP CLC	0(3,R1),=C'ANY' TEST FOR ANY AFFINITY K4080500	
006BE2	4770	894E	06BF0		22030	BNE	CTALNANY	NO--TEST FOR IND MODE OPERATION K4081000	
006BE6	1FAA				22031	SLR	R10,R10	INDICATE NO ADD OR DELETION K4081500	
006BE8	967F	D08C	0008C		22032	OI	CTALLAFF,QUESYSAF	FLAG AFFINITY OF 'ANY' K4082000	
006BEC	47F0	896E	06C10		22033	B	CTALLFD3	AND LOOK FOR MORE OPERANDS K4082500	
006BF0					22034	CTALNANY DS	0H	NOT 'ANY' AFFINITY K4083000	
006BF0	D502	1000	8C40	00000	06EE2	22035	CLC	0(3,R1),=C'IND' CHECK FOR 'IND' MODE K4083500	
006BF6	4770	8960	06C02		22036	BNE	CTALCHG1	NO -- TRY FOR SPECIFIC AFF K4084000	
006BFA	9680	D08C	0008C		22037	OI	CTALLAFF,QUEINDAF	YES -- SET 'IND' MODE K4084500	
006BFE	47F0	896E	06C10		22038	B	CTALLFD3	AND LOOK FOR MORE OPERANDS K4085000	
006C02					22039	CTALCHG1 DS	0H	LOOK FOR SPECIFIC SID NAME K4085500	
006C02	41F0	8968	06C0A		22040	LA	R15,CTALLFD2	SET TARGET ADDRESS K4086000	
006C06	47F0	88F2	06B94		22041	B	CTALSCAN	AND GO SCAN QSE(S) K4086500	
006C0A					22043	CTALLFD2 DS	0H	FOUND SPECIFIC AFFINITY K4087500	
006C0A	D600	D08C	200D	0008C	0000D	22044	OC	CTALLAFF,QSESIAFF	SET AFFINITY INTO SAVE AREA K4088000
006C10					22045	CTALLFD3 DS	0H	SEARCH FOR MORE OPERANDS K4088500	
006C10	8756	898E	06C30		22046	BXLE	WD,WE,CTALLMOR	LOOK FOR NEXT OPERAND K4089000	
006C14	9180	D08C	0008C		22047	TM	CTALLAFF,QUEINDAF	TEST FOR 'IND' MODE K4089500	
006C18	4780	8996	06C38		22048	BZ	CTALLEND	NO--EXIT OPERAND SCAN K4090000	
006C1C	917F	D08C	0008C		22049	TM	CTALLAFF,255-QUEINDAF	TEST FOR OTHER AFFINITIES K4090500	
006C20	4770	8996	06C38		22050	BNZ	CTALLEND	YES--EXIT OPERAND SCAN K4091000	
006C24	12AA				22051	LTR	R10,R10	TEST FOR ADDITION OR DELETION K4091500	
006C26	4770	8996	06C38		22052	BNZ	CTALLEND	YES--EXIT OPERAND SCAN K4092000	
006C2A	1F56				22053	SLR	WD,WE	NO--ERROR K4092500	
006C2C	47F0	810C	063AE		22054	B	CDIINVO	POINT TO OPERAND AND EXIT K4093000	
006C30					22056	CTALLMOR DS	0H	MORE OPERANDS K4094000	
006C30	5810	5000	00000		22057	L	R1,0(,WD)	POINT TO NEXT OPERAND K4094500	
006C34	47F0	893A	06BDC		22058	B	CTALLOOP	AND ENTER MAJOR SCAN LOOP K4095000	
					22060	*	SEARCH JOB QUEUE FOR JOB(S) WITH FIRST SID'S AFFINITY	K4096000	
006C38					22062	CTALLEND DS	0H	END OF OPERANDS K4097000	
006C38	1F22				22063	SLR	WA,WA	SET NO JOBS ALTERED K4097500	
			00000		22064	USING	JQEDSECT,R1	JQE ADDRESSABILITY K4098000	
					22065	\$CFJSCAN	PROCESS=CTALPRO,NEXT=CTALNXT,EMPTY=CTALNONE, IGNORE=CTALIGN	SCAN THE JOB QUEUE CK4098500	
					22066	+	*****	K1045000	
					22067	+	SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500	
					22068	+	*****	K1046000	
006C3A	9200	D044	00044		22069	+	MVI PCEBASE2,0	SET NO JOB(S) FOUND INDICATOR R4 K1048000	
006C3E	41F0	005E	0005E		22070	+	LA R15,\$JQTYPES*2	NO. OF JOB QUEUES (TIMES 2) @OZ29819 K1048600	
006C42	40F0	D08A	0008A		22071	+CJS0944A	STH R15,COMJQHDS	SAVE JOB QUEUE HEADER INDEX R4 K1049500	
006C46	411F	B54E	0054E		22072	+	LA R1,\$JQHEADS-2-QUECHAIN(R15)	POINT TO NEXT JOB QUEUE R4 K1050000	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22	
006C4A	47F0	89B0	06C52		22073+	B	CJS0944B	BR TO BEGIN QUEUE SCAN	R4 K1052500	
006C4E	9280	D044	00044		22074+CTALNXT	MVI	PCEBASE2,128	SET JOB FOUND INDICATOR	R4 K1053000	
006C52	58C0	D044	00044		22075+CJS0944B	L	BASE2,PCEBASE2	SET JOB FOUND FLAG IN REGISTER	R4 K1053500	
006C56	4810	1006	00006		22076+CTALIGN	LH	R1,JQECHAIN	GET OFFSET OF NEXT JOE	R4 K1054000	
006C5A	5410	8BB2	06E54		22077+	N	R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE	R4 K1056000	
006C5E	4780	89CC	06C6E		22078+	BZ	CJS0944C	BR IF END OF QUEUE	R4 K1056500	
006C62	8910	0002	00002		22079+	SLL	R1,2	GET TRUE	R4 K1057000	
006C66	5E10	B1C0	001C0		22080+	AL	R1,\$JOBQPTR	JOE ADDRESS	R4 K1057500	
006C6A	47F0	8A16	06CB8		22081+	B	CTALPRO	AND ENTER PROCESS ROUTINE	R4 K1058000	
006C6E	48F0	D08A	0008A		22082+CJS0944C	LH	R15,COMJQHDS	GET CURRENT JOB QUEUE HDR INDEX	R4 K1059000	
006C72	06F0				22083+	BCTR	R15,0	REDUCE OFFSET BY 1	R4 K1059500	
006C74	46F0	89A0	06C42		22084+	BCT	R15,CJS0944A	BR IF ANOTHER JOB QUEUE	R4 K1061500	
006C78	12CC				22085+	LTR	BASE2,BASE2	TEST FOR ANY JOB(S) FOUND	R4 K1062500	
006C7A	4720	8A04	06CA6		22086+	BP	CTALNONE	BR IF NO	R4 K1063000	
006C7E	1222				22087	LTR	WA,WA	TEST FOR ANY JOB(S) RE-ROUTED	K4099500	
006C80	4770	89F4	06C96		22088	BNZ	CTALRET	YES -- SKIP DIAGNOSTIC	K4100000	
					22089	\$CRET	MSG='NO JOB(S) RE-ROUTED'		K4100500	
006C84					22090+	DS	0H		Z0006000	
006C84	D212	D0B6	8C47	000B6	06EE9	22091+	MVC	COMMAND(19),=C'NO JOB(S) RE-ROUTED'	K0131000	
006C8A	4100	0013	00013		22092+	LA	R0,19	SET LENGTH OF MSG IN R0	K0131500	
006C8E	41F0	0008	00008		22093+	LA	R15,CORTMSG	RETURN AND ISSUE MESSAGE	K0133000	
006C92	47F0	C1AC	001AC		22094+	B	CORET	RETURN	K0137500	
006C96					22096	CTALRET	DS	0H	RETURN	K4101500
					22097	\$POST	\$HASPECF,(JOB)	POST FOR WORK	K4102000	
					22098+*			THIS CARD DELETED BY APAR @OZ27300	FX120000	
006C96	94DF	B4B1	004B1		22099+	NI	\$HASPECF+\$EWBJOB,255-\$EWFJOB	RESET EVENTS	FX152000	
006C9A	9680	B220	00220		22100	OI	\$AQSE,QSEPJOB	CAUSE X SYSTEM POST(S)	K4102500	
					22101	\$CRET	MSG=OK	AND RETURN 'OK'	K4103000	
006C9E					22102+	DS	0H		Z0006000	
006C9E	41F0	0004	00004		22103+	LA	R15,CORTOK	RETURN AND ISSUE OK MESSAGE	K0136000	
006CA2	47F0	C1AC	001AC		22104+	B	CORET	RETURN	K0137500	
006CA6					22105	CTALNONE	DS	0H	COME HERE WHEN NO JOB(S) FND	K4103500
					22106	\$CRET	MSG='NO JOB(S) FOUND'		K4104000	
006CA6					22107+	DS	0H		Z0006000	
006CA6	D20E	D0B6	8C5A	000B6	06EFC	22108+	MVC	COMMAND(15),=C'NO JOB(S) FOUND'	K0131000	
006CAC	4100	000F	0000F		22109+	LA	R0,15	SET LENGTH OF MSG IN R0	K0131500	
006CB0	41F0	0008	00008		22110+	LA	R15,CORTMSG	RETURN AND ISSUE MESSAGE	K0133000	
006CB4	47F0	C1AC	001AC		22111+	B	CORET	RETURN	K0137500	
					22113 *			LOOK AT EACH JOB TO SEE IF AFFINITY TO SID	K4105000	
006CB8					22115	CTALPRO	DS	0H	PROCESS AJOB	K4106000
006CB8	D501	1002	8BE2	00002	06E84	22116	CLC	JQEJOBNO,=H'10000'	TEST FOR NORMAL BATCH JOB	K4106500
006CBE	4740	8A30	06CD2		22117	BL	CTALLTST	IF YES -- BRANCH	K4107000	
006CC2	9140	1001	00001		22118	TM	JQETYPE,\$XEQ	TEST FOR STC OR TSU IN XEQ OR CVT	K4107500	
006CC6	4710	89AC	06C4E		22119	BO	CTALNXT	YES -- GET NEXT JOB	K4108000	
006CCA	9520	1001	00001		22120	CLI	JQETYPE,\$INPUT	TEST FOR STC OR TSU IN INPUT RDR	K4108500	
006CCE	4780	89AC	06C4E		22121	BE	CTALNXT	YES--GET NEXT JOB	K4109000	
006CD2					22122	CTALLTST	DS	0H	TEST JOB FOR AFFINITY	K4111500
006CD2	4430	8A90	06D32		22123	EX	WB,CTALTEST	TEST FOR AFFINITY OWNERSHIP	K4112000	
006CD6	4780	89AC	06C4E		22124	BZ	CTALNXT	NO--GET NEXT JOB	K4112500	
006CDA	12AA				22125	LTR	R10,R10	TEST FOR TYPE OF CHANGE	K4113000	
006CDC	4740	8A50	06CF2		22126	BM	CTALLESS	IF DELETION GO DO IT	K4113500	
006CE0	4720	8A46	06CE8		22127	BP	CTALMORE	IF ADDITION GO DO IT	K4114000	

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22	
006CE4	9480	1005	00005		22128	NI	JQEFLAG2,QUEINDAF	TURN OFF OLD AFFINITIES R41 K4114500	
006CE8					22129	CTALMORE DS	0H	ADD NEW AFFINITIES K4115000	
006CE8	D600	1005	D08C	00005	0008C	22130	OC	JQEFLAG2,CTALLAFF	ADD AFFINITIES K4115500
006CEE	47F0	8A86	06D28		22131	B	CTALCKPT	AND CHECK-POINT ELEMENT K4116000	
006CF2					22132	CTALLESS DS	0H	DELETE SELECTED AFFINITIES K4116500	
006CF2	41F0	00FF	000FF		22133	LA	R15,255	SET REGSITER TO ALL BITS 'ON' K4117000	
006CF6	1F00				22134	SLR	R0,R0	ZERO INSERT REGISTER K4117500	
006CF8	4300	D08C	0008C		22135	IC	R0,CTALLAFF	PICK-UP AFFINITIES TO DELETE K4118000	
006CFC	1FF0				22136	SLR	R15,R0	COMPUTE BITS TO BE LEFT 'ON' K4118500	
006CFE	44F0	8A98	06D3A		22137	EX	R15,CTALAFOF	DELETE SELECTED AFFINITIES K4119000	
006D02	58E0	B1DC	001DC		22138	L	R14,\$QSE1	POINT TO 1ST QSE R4 K4119500	
					22139	*		THIS CARD DELETED BY APAR @OZ27300 K4120000	
			00000		22140		USING QSEDECT,R14	QSE ADDRESSABILITY K4120500	
					22141	*		THIS CARD DELETED BY APAR @OZ27300 K4121000	
006D06	43F0	E00D	0000D		22142	CTALAFPL IC	R15,QSESIAFF	PICK UP AFFINITIY BITS @OZ27300 K4121500	
006D0A	44F0	8A90	06D32		22143	EX	R15,CTALTEST	TEST FOR IMPOSSIBLE AFFINITY K4122000	
006D0E	4710	8A86	06D28		22144	BO	CTALCKPT	NO -- GO CHECK POINT ELEMENT K4122500	
006D12	9101	E012	00012		22145	TM	QSEFLAGS,QSELAST	TEST FOR LAST ELEMENT K4123000	
006D16	41E0	E014	00014		22146	LA	R14,QSELEN(,R14)	BUMP TO NEXT QSE @OZ27300 K4123100	
006D1A	4780	8A64	06D06		22147	BZ	CTALAFPL	LOOP FOR TEST OF AFFINITIES K4123500	
006D1E	D600	1005	D08C	00005	0008C	22148	OC	JQEFLAG2,CTALLAFF	RESET ORIGINAL AFFINITY K4124000
006D24	47F0	89AC	06C4E		22149	B	CTALNXT	AND GET NEXT JOB K4124500	
					22150	DROP	R14	DROP QSE ADDRESSABILITY K4125000	
006D28					22152	CTALCKPT DS	0H	CHECK-POINT MODIFIED JQE K4126000	
006D28	1826				22153	LR	WA,WE	FLAG A MODIFICATION HAS BEEN MADE K4126500	
					22154		\$QCKPT (R1)	CKPT MODIFIED JQE K4127000	
006D2A	45E0	B05C	0005C		22155+	BAL	LINK,\$QCKPT	LINK TO CONTROL SERVICE PROGRAM GB010000	
006D2E	47F0	89AC	06C4E		22156	B	CTALNXT	AND GET ANOTHER JOB K4127500	
006D32	9100	1005	00005		22158	CTALTEST TM	JQEFLAG2,*-*	**** EXECUTE ONLY **** K4128500	
006D36	9700	1005	00005		22159	CTALLOFF XI	JQEFLAG2,*-*	**** EXECUTE ONLY **** K4129000	
006D3A	9400	1005	00005		22160	CTALAFOF NI	JQEFLAG2,*-*	**** EXECUTE ONLY **** K4129500	
					22162	*	\$TALL EQUATES	K4130500	
			0008C		22164	CTALLAFF EQU	COMWORK,1	AFFINITY SAVE AREA K4131500	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22167	*****	K4133000
				22168	*	* K4133500
				22169	* \$TSYS,IND=Y/N -- SET SYSTEM IN INDEPENDENT MODE	* K4134000
				22170	* OPERAND(S) -- IND=YES/NO -- SET/RESET INDEPENDENT MODE	* K4134500
				22171	*	* K4135000
				22172	*****	K4135500
006D3E				22174	CTSYS DS 0H SET/RESET SYS TO INDEPENDENT MODE	K4136500
006D3E	9109 D07F	0007F		22175	TM COMAUTH,COMR+COMS TEST FOR RESTRICTED CONSOLE	R4 K4137000
006D42	4780 8AA8	06D4A		22176	BZ CTSYSAOK BRANCH IF AUTHORITY IS 'OK'	K4137500
				22177	\$CFINVC , ELSE COMMAND IS INVALID	K4138000
006D46	47F0 C794	00794		22178+	B COFINVC REPLY INVALID COMMAND	K0621000
006D4A				22180	CTSYSAOK DS 0H AUHTORITY IS 'OK'	K4139000
006D4A	8656 810C	063AE		22181	BXH WD,WE,CDIINVO CHECK FOR PRESENCE OF OPERAND	K4139500
006D4E	5810 5000	00000		22182	L R1,0(,WD) POINT TO OPERAND	K4140000
006D52	D503 1000	8BB6 00000	06E58	22183	CLC 0(4,R1),=C'IND=' CHECK FOR PROPER FORMAT	K4140500
006D58	4770 810C	063AE		22184	BNE CDIINVO NO -- ERROR	K4141000
006D5C	95E8 1004	00004		22185	CLI 4(R1),C'Y' IS DESIRE TO ENTER IND MODE	K4142000
006D60	4780 8AD4	06D76		22186	BE CTSYINDY YES -- GO DO IT	K4142500
006D64	94F7 B427	00427		22187	NI \$STATUS,255-\$INDMODE RESET INDEPENDENT MODE SELECTION	K4143500
006D68	D220 D0BA	8AF4 000BA	06D96	22188	MVC COMMAND+L'\$SID(CTSYSLN1),CTSYMSG1 SET MESSAGE	K4144000
006D6E	4100 0025	00025		22189	LA R0,CTSYSLN1+L'\$SID SET MESSAGE LENGTH	K4144500
006D72	47F0 8AE2	06D84		22190	B CTSYEXIT AND EXIT COMMAND	K4145000
006D76				22191	CTSYINDY DS 0H ENTER INDEPENDENT MODE	K4145500
006D76	9608 B427	00427		22192	OI \$STATUS,\$INDMODE SET INDEPENDENT MODE	K4146500
006D7A	D21A D0BA	8B15 000BA	06DB7	22193	MVC COMMAND+L'\$SID(CTSYSLN2),CTSYMSG2 SET MESSAGE	K4147000
006D80	4100 001F	0001F		22194	LA R0,CTSYSLN2+L'\$SID SET MESSAGE LENGTH	K4147500
006D84				22195	CTSYEXIT DS 0H EXIT COMMAND	K4148000
				22196	\$POST \$HASPECF,JOB POST THIS PROCESSOR FOR JOB	K4148500
006D84	94DF B4B1	004B1		22197+	NI \$HASPECF+\$EWBJOB,FF-\$EWFJOB RESET EVENT @OZ27300	FX170000
006D88	D203 D0B6	B418 000B6	00418	22198	MVC COMMAND(L'\$SID),\$SID SET SYSTEM NAME IN MESSAGE	K4149000
				22199	\$CRET L=(R0) EXIT WITH MESSAGE	K4149500
006D8E				22200+	DS 0H	Z0006000
006D8E	41F0 0008	00008		22201+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
006D92	47F0 C1AC	001AC		22202+	B CORET RETURN	K0137500
006D96	40C9E240D5D640D3			22204	CTSYMSG1 DC C' IS NO LONGER IN INDEPENDENT MODE' MESSAGE	K4150500
			00021	22205	CTSYSLN1 EQU *-CTSYMSG1 LENGTH OF MESSAGE	K4151000
006DB7	40C9E240D5D6E640			22206	CTSYMSG2 DC C' IS NOW IN INDEPENDENT MODE' MESSAGE	K4151500
			0001B	22207	CTSYSLN2 EQU *-CTSYMSG2 LENGTH OF MESSAGE	K4152000
006DD8				22208	LTORG ,	K4152500
006DD8	C4D9C1C9D5C9D5C7			22209	=CL8'DRAINING'	
006DE0	C4D9C1C9D5C5C440			22210	=CL8'DRAINED'	
006DE8	C8C1D3E3C5C44040			22211	=CL8'HALTED'	
006DF0	C9D5C1C3E3C9E5C5			22212	=CL8'INACTIVE'	
006DF8	C1C3E3C9E5C54040			22213	=CL8'ACTIVE'	
006E00	E2E3C1D9E3C9D5C7			22214	=CL8'STARTING'	
006E08	40C4D6D9D4C1D5E3			22215	=C' DORMANT'	
006E10	40D9C560E2E3C1D9			22216	=C' RE-STARTING ON '	
006E20	00001A48			22217	=A(CVALIDTB)	
006E24	C5E2E8E2			22218	=C'ESYS'	
006E28	00000007			22219	=A(QSERSTID)	
006E2C	03938700			22220	=F'6E7'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
006E30	00002710			22221	=F'1E4'	
006E34	000005A0			22222	=A(24*60)	
006E38	00001770			22223	=A(60*100)	
006E3C	0000016D			22224	=F'365'	
006E40	000005B5			22225	=A(365*3+366)	
006E44	00000003			22226	=F'3'	
006E48	000003E8			22227	=F'1000'	
006E4C	00000064			22228	=A(100)	
006E50	0000003C			22229	=A(60)	
006E54	0000FFFF			22230	=A(X'0000FFFF')	
006E58	C9D5C47E			22231	=C'IND='	
006E5C	0002			22232	=Y(L'PITPATID)	
006E5E	4040			22233	=CL(L'PITPATID)' '	
006E60	D6D2			22234	=C'OK'	
006E62	E240C9D5C9E34BC9			22235	=C'S INIT.INIT,,,'	
006E70	E7C2			22236	=C'XB'	
006E72	6BC1C2C5D5C4			22237	=C',ABEND'	
006E78	0002			22238	=H'2'	
006E7A	D9C5E2C5E37E			22239	=C'RESET='	
006E80	0004			22240	=H'4'	
006E82	0014			22241	=Y(QSELEN)	
006E84	2710			22242	=H'10000'	
006E86	E2E8E2E3C5D440C4			22243	=C'SYSTEM DRAINING'	
006E95	D1C5E2F240D5D6E3			22244	=C'JES2 NOT DORMANT -- SYSTEM NOW DRAINING'	
006EBC	C9D5C9E3C9			22245	=C'INITI'	
006EC1	40C9D5C1C3E3C9E5			22246	=C' INACTIVE'	
006ECA	40C1C3E3C9E5C5			22247	=C' ACTIVE'	
006ED1	40C9D5C4C5D7C5D5			22248	=C' INDEPENDENT MODE'	
006EE2	C9D5C4			22249	=C'IND'	
006EE5	80			22250	=AL1(QUEINDAF)	
006EE6	C1D5E8			22251	=C'ANY'	
006EE9	D5D640D1D6C24DE2			22252	=C'NO JOB(S) RE-ROUTED'	
006EFC	D5D640D1D6C24DE2			22253	=C'NO JOB(S) FOUND'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				22255	HASPCSY3 \$COMGRUP TC, TM, TO	CONSOLE COMMAND GROUP	K4153500
006F0C				22256+	HASPCSY3 DS 0H		K0088500
		06F0C		22257+	USING *, BASE3	ADDRESSABILITY	K0089000
006F0C	07F1			22258+	BR R1	GO TO SUB-PROCESSOR SELECTED	K0091000
				22259	*****		K4154000
				22260	*		* K4154500
				22261	*	\$T CON, LEVEL, LIST - SET LIST LEVEL OF LOGICAL CONSOLES	* K4155000
				22262	*		* K4155500
				22263	*	LEVEL = MESSAGE LEVEL (ONLY LEVELS ABOVE THIS DISPLAY)	* K4156000
				22264	*	LIST = MAIN/TAPE/TP/UR/ERROR/LOG (LOGICAL ROUTINGS)	* K4156500
				22265	*		* K4157000
				22266	*****		K4157500
006F0E				22267	CTC DS 0H		K4158000
006F0E	8656 830C	07218		22268	BXH WD, WE, CTOINVO	LOCATE SECOND OPERAND POINTER	K4158500
006F12	5810 5000	00000		22269	L R1, 0(0, WD)	POINT TO OPERAND	K4159000
006F16	4140 830C	07218		22270	LA WC, CTOINVO	POINT TO ERROR EXIT ROUTINE	K4159500
				22271	\$CFVCVB POINTER=(WD), NOK=CTOINVO CONVERT TO BINARY		K4160000
006F1A				22272+	DS 0H		Z0006000
006F1A	1815			22273+	LR R1, WD		CJ018000
006F1C	45E0 C456	00456		22274+	BAL LINK, COFCVB	CONVERT NUMBERS TO BINARY	K0193500
006F20	47F0 830C	07218		22275+	B CTOINVO	BRANCH IF OPERAND INVALID	K0196500
006F24	4900 8394	072A0		22276	CH R0, =H'15'	CHECK FOR MAX LEVEL EXCEEDED	K4160500
006F28	0724			22277	BCR H, WC	INVALID OPERAND IF SO	K4161000
006F2A	8656 830C	07218		22278	BXH WD, WE, CTOINVO	LOCATE OPERAND	K4161500
006F2E	1FEE			22279	SLR R14, R14	ZERO ACCUMULATOR	R4 K4162000
006F30	5810 5000	00000		22280	CTXCLOP L R1, 0(0, WD)	POINT TO OPERAND	K4162500
006F34	41F0 807C	06F88		22281	LA R15, CTXTAB	POINT TO LOGICAL CONSOLE TABLE	K4163000
006F38	4120 0006	00006		22282	LA WA, CTXTABCT	SET NUMBER OF ENTRIES	K4163500
006F3C	D501 F000	1000 00000	00000	22283	CTXCLOP CLC 0(2, R15), 0(R1)	COMPARE TABLE ENTRY AGAINST TEXT	R4 K4164000
006F42	4780 8044	06F50		22284	BE CTXCFND	IF MATCH, EXIT	K4164500
006F46	41F0 F004	00004		22285	LA R15, CTXTESIZ(0, R15)	POINT TO NEXT ENTRY	K4165000
006F4A	4620 8030	06F3C		22286	BCT WA, CTXCLOOP	LOOP UNTIL END	K4165500
006F4E	07F4			22287	BR WC	ERROR EXIT	K4166000
006F50	56E0 F000	00000		22288	CTXCFND O R14, 0(, R15)	ACCUMULATE ROUTINGS	R4 K4166500
006F54	8756 8024	06F30		22289	BXLE WD, WE, CTXCLOP	LOOP IF MORE OPERANDS	R4 K4167000
006F58	58F0 B264	00264		22290	L R15, \$CSAREA	POINT TO CONSOLE SERVICE AREA	R4 K4167500
006F5C	41F0 F0D0	000D0		22291	LA R15, CSALEVEL+7*2-CSADSECT(, R15)	POINT TO HIGHEST LEVEL	R4 K4168000
006F60	4140 0007	00007		22292	LA WC, 7	SET HIGHEST LEVEL NUMBER	R4 K4168500
006F64	4810 F000	00000		22293	CTXSLOP LH R1, 0(, R15)	PICK UP OLD ROUTINGS	R4 K4169000
006F68	161E			22294	OR R1, R14	TURN ON ROUTE CODE	R4 K4169500
006F6A	1940			22295	CR WC, R0	IS LEVEL HIGHER THAN SPECIFIED	R4 K4170000
006F6C	4720 8066	06F72		22296	BH CTXSON	TURN ROUTE ON IF YES	R4 K4170500
006F70	171E			22297	XR R1, R14	FLIP ROUTES OFF IF NOT	R4 K4171000
006F72	4010 F000	00000		22298	CTXSON STH R1, 0(, R15)	SET NEW ROUTINGS	R4 K4171500
006F76	06F0			22299	BCTR R15, 0	DOWN	R4 K4172000
006F78	06F0			22300	BCTR R15, 0	TWO	R4 K4172500
006F7A	4640 8058	06F64		22301	BCT WC, CTXSLOP	DO FOR 7 (0 NOT ALTERED)	R4 K4173000
				22302	\$CRET MSG=OK	RETURN	R4 K4173500
006F7E				22303+	DS 0H		Z0006000
006F7E	41F0 0004	00004		22304+	LA R15, CORTOK	RETURN AND ISSUE OK MESSAGE	K0136000
006F82	47F0 C1AC	001AC		22305+	B CORET	RETURN	K0137500
006F88				22306	CTXTAB DS 0F	HASP LOGICAL ROUTING TEXT IDS	R4 K4174000
006F88	D4C1C000			22307	DC C'MA', X'C000'	MAIN	R4 K4174500
		00004		22308	CTXTESIZ EQU *-CTXTAB		R4 K4175000
006F8C	E3C13C00			22309	DC C'TA', X'3C00'	TAPE	R4 K4175500
006F90	E3D70100			22310	DC C'TP', X'0100'	TELE-PROCESSING	R4 K4176000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
006F94	E4D90200			22311	DC	C'UR',X'0200' UNIT RECORD	R4 K4176500
006F98	C5D90040			22312	DC	C'ER',X'0040' ERROR	R4 K4177000
006F9C	D3D60000			22313	DC	C'LO',X'0000' LOG	R4 K4177500
		00006	22314	CTXTABCT	EQU	(*CTXTAB)/CTXTESIZ	K4178000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22316	*****	K4179000
				22317	*	* K4179500
				22318	* \$TMCCA,LIST -- SET MESSAGE ROUTING	* K4180000
				22319	*	* K4180500
				22320	* CC = CONSOLE TO RECEIVE THE RESPONSE	* K4181000
				22321	* A = AREA OF CONSOLE CC	* K4181500
				22322	* LIST = DISPLAY COMMAND OPERANDS FOR CONSOLE CC AREA A	* K4182000
				22323	* (NO COMMAS BETWEEN LIST ITEMS)	* K4182500
				22324	*	* K4183000
				22325	*****	K4183500
006FA0				22326	CTM DS OH	K4184000
006FA0	1F22			22327	SLR WA,WA	R4 K4184500
006FA2	5020 D08C	0008C		22328	ST WA,COMWORK	R4 K4185000
006FA6	4320 D076	00076		22329	IC WA,COMUCM	R4 K4185500
006FAA	4110 D0B8	000B8		22330	LA R1,COMOPRND	K4186000
006FAE	9110 D070	00070		22331	TM COMFLAG,CMBFLAGU	R4 K4186500
006FB2	4780 826A	07176		22332	BZ CTMINVO	K4187000
006FB6	58A0 D0B0	000B0		22333	L R10,COMEXTEN	K4187500
		00000		22334	USING COMDSECT,R10	K4188000
006FBA	1842			22335	LR WC,WA	K4188500
006FBC	4C40 A0BE	000BE		22336	MH WC,COMLCON	K4189000
006FC0	4144 A0B0	000B0		22337	LA WC,COMRESP-COMCONL(WC)	K4189500
006FC4	41F0 1001	00001		22338	LA R15,1(0,R1)	K4190000
006FC8	9540 F000	00000		22339	CLI 0(R15),C' '	K4190500
006FCC	4780 8176	07082		22340	BE CTMDISP	K4191000
006FD0	95F0 F000	00000		22341	CLI 0(R15),C'0'	K4191500
006FD4	4740 8104	07010		22342	BL CTMGETA	K4192000
006FD8	D100 D08F F000	0008F 00000		22343	MVN COMEWORK+3(1),0(R15)	K4192500
006FDE	5830 D08C	0008C		22344	L WB,COMWORK	R4 K4193000
006FE2	41F0 F001	00001		22345	LA R15,1(0,R15)	K4193500
006FE6	95F0 F000	00000		22346	CLI 0(R15),C'0'	K4194000
006FEA	4740 80F4	07000		22347	BL CTMCKC	K4194500
006FEE	4C30 8396	072A2		22348	MH WB,=H'10'	R4 K4195000
006FF2	D100 D08F F000	0008F 00000		22349	MVN COMEWORK+3(1),0(R15)	K4195500
006FF8	5A30 D08C	0008C		22350	A WB,COMWORK	R4 K4196000
006FFC	41F0 F001	00001		22351	LA R15,1(0,R15)	K4196500
007000	1233			22352	CTMCKC LTR WB,WB	R4 K4197000
007002	4780 814C	07058		22353	BZ CTMCOMBA	R4 K4197500
007006	4930 A0BC	000BC		22354	CH WB,COMOCON	R4 K4198000
00700A	4720 8258	07164		22355	BH CTMERROR	K4198500
00700E	1823			22356	LR WA,WB	R4 K4199000
007010	956B F000	00000		22357	CTMGETA CLI 0(R15),C' ,'	R4 K4199500
007014	4780 814C	07058		22358	BE CTMCOMBA	K4200000
007018	9540 F000	00000		22359	CLI 0(R15),C' '	K4200500
00701C	4780 814C	07058		22360	BE CTMCOMBA	K4201000
007020	95C1 F000	00000		22361	CLI 0(R15),C'A'	K4201500
007024	4740 826A	07176		22362	BL CTMINVO	K4202000
007028	95C9 F000	00000		22363	CLI 0(R15),C'I'	K4202500
00702C	47D0 8144	07050		22364	BNH CTMCOMB	K4203000
007030	95D1 F000	00000		22365	CLI 0(R15),C'J'	K4203500
007034	4740 826A	07176		22366	BL CTMINVO	K4204000
007038	95D9 F000	00000		22367	CLI 0(R15),C'R'	R4 K4204500
00703C	47D0 8144	07050		22368	BNH CTMCOMB	R4 K4205000
007040	95E2 F000	00000		22369	CLI 0(R15),C'S'	R4 K4205500
007044	4740 826A	07176		22370	BL CTMINVO	R4 K4206000
007048	95E9 F000	00000		22371	CLI 0(R15),C'Z'	R4 K4206500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
00704C	4720 826A	07176		22372	BH CTMINVO	EXIT IF HIGH K4207000
007050	BF38 F000	00000		22373	CTMCOMB ICM WB,8,0(R15)	PICK UP AREA R4 K4207500
007054	41F0 F001	00001		22374	CTMCOMBZ LA R15,1(0,R15)	UP 1 K4208000
007058	8D20 0008	00008		22375	CTMCOMBA SLDL WA,8	COMBINE UCM AND AREA K4208500
00705C	956B F000	00000		22376	CLI 0(R15),C','	IS IT ALL OR LIST K4209000
007060	4780 8216	07122		22377	BE CTMLIST	USE LIST K4209500
007064	9540 F000	00000		22378	CLI 0(R15),C' '	IS IT BLANK K4210000
007068	4770 826A	07176		22379	BNZ CTMINVO	ERROR IF NOT K4210500
				22380	* USER WANTS TO SET ALL OPERANDS	K4211000
00706C	4800 A0BE	000BE		22381	LH R0,COMLCON	GET COUNT*2 K4211500
007070	8A00 0001	00001		22382	SRA R0,1	HALVE IT K4212000
007074	1834			22383	LR WB,WC	POINT TO FIRST ELEMENT K4212500
007076	BE23 3000	00000		22384	CTMALL STCM WA,3,0(WB)	SET RESPONSE CONSOLE K4213000
00707A	4130 3002	00002		22385	LA WB,2(0,WB)	UP 2 (NEXT ELEMENT) K4213500
00707E	4600 816A	07076		22386	BCT R0,CTMALL	LOOP K4214000
				22387	* DISPLAY CURRENT SETTINGS	K4214500
007082	4160 0006	00006		22388	CTMDISP LA WE,6	SET INCREMENT K4215000
007086	4170 D0F6	000F6		22389	LA WF,COMMAND+70-6	SET END K4215500
00708A	4830 A0BE	000BE		22390	LH WB,COMLCON	PICK UP LENGTH OF ELEMENTS K4216000
00708E	8A30 0001	00001		22391	SRA WB,1	HALVE TO GET NUMBER K4216500
007092	1B55			22392	SR WD,WD	SET OFFSET K4217000
007094	1B00			22393	SR R0,R0	ZERO WORK K4217500
007096	4300 D076	00076		22394	IC R0,COMUCM	PICK UP ENTRY CONSOLE R4 K4218000
00709A	D202 D0B6 839A	000B6 072A6		22395	MVC COMMAND(3),=C'CON'	SET BEGINNING OF MESSAGE K4218500
				22396	\$CFCVE VALUE=(R0)	CONVERT TO EBCDIC K4219000
0070A0	45E0 C4BA	004BA		22397+	BAL LINK,COFCVE	CONVERT TO EBCDIC K0233000
0070A4	D202 D0B9 D092	000B9 00092		22398	MVC COMMAND+3(3),COMDWORK+2	INSERT K4219500
0070AA	4120 D0B6	000B6		22399	CTMDNLN LA WA,COMMAND	SET TO START OF LINE K4220000
0070AE	1B00			22400	SR R0,R0	ZERO WORK K4220500
0070B0	8626 8206	07112		22401	CTMDNXXE BXH WA,WE,CTMELN	END OF LINE TEST K4221000
0070B4	4305 4000	00000		22402	IC R0,COMCON(WD,WC)	PICK UP CONSOLE ID K4221500
				22403	\$CFCVE VALUE=(R0)	CONVERT TO EBCDIC K4222000
0070B8	45E0 C4BA	004BA		22404+	BAL LINK,COFCVE	CONVERT TO EBCDIC K0233000
0070BC	D204 2000 D090	00000 00090		22405	MVC 0(5,WA),COMDWORK	SET OUTPUT ITEM ' CC' K4222500
0070C2	927E 2002	00002		22406	MVI 2(WA),C'='	SET ' =CC' K4223000
0070C6	9240 2005	00005		22407	MVI 5(WA),C' '	SET BLANK AREA R4 K4223500
0070CA	41E5 4001	00001		22408	LA R14,COMCONA(WD,WC)	POINT TO AREA R4 K4224000
0070CE	9500 E000	00000		22409	CLI 0(R14),0	IS IT ZERO R4 K4224500
0070D2	4780 81D0	070DC		22410	BZ SKIP270	SKIP NSI IF YES R4 K4225000
0070D6	D200 2005 E000	00005 00000		22411	MVC 5(1,WA),0(R14)	SET ' =CCA' K4225500
0070DC	41E0 826C	07178		22412	SKIP270 LA R14,CTMTAB-2	POINT TO CONVERT TAB -2 K4226000
0070E0	41E0 E002	00002		22413	CTMDL LA R14,2(0,R14)	UP 2 K4226500
0070E4	95FF E000	00000		22414	CLI 0(R14),X'FF'	IS IT END K4227000
0070E8	4780 8258	07164		22415	BE CTMERROR	EXIT ON ERROR K4227500
0070EC	BD51 E001	00001		22416	CLM WD,1,1(R14)	CHECK FOR MATCHING OFFSET K4228000
0070F0	4770 81D4	070E0		22417	BNE CTMDL	LOOP K4228500
0070F4	D200 2001 E000	00001 00000		22418	MVC 1(1,WA),0(R14)	SET ' O=CCA' K4229000
0070FA	4150 5002	00002		22419	LA WD,2(0,WD)	UP TO NEXT ELEMENT K4229500
0070FE	4630 81A4	070B0		22420	BCT WB,CTMDNXXE	LOOP TO NEXT ELEMENT K4230000
007102	4100 D0B0	000B0		22421	LA R0,COMMAND-6	CALCULATE K4230500
007106	1B20			22422	SR WA,R0	LENGTH K4231000
007108	1802			22423	LR R0,WA	OF MESSAGE K4231500
				22424	\$CRET L=(R0)	DISPLAY AND EXIT K4232000
00710A				22425+	DS 0H	Z0006000
00710A	41F0 0008	00008		22426+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
00710E	47F0 C1AC	001AC		22427+	B CORET	RETURN K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22428	* END OF DISPLAY LINE	K4232500
007112	4100 D0B0	000B0		22429	CTMELN LA R0,COMMAND-6	K4233000
007116	1B20			22430	SR WA,R0	K4233500
007118	1802			22431	LR R0,WA	K4234000
				22432	\$CWTO L=(R0)	K4234500
00711A				22433+	DS 0H	Z0006000
00711A	4520 C07A	0007A		22434+	BAL WA,CWTO	K0161500
00711E	47F0 819E	070AA		22435	B CTMDNLN	K4235000
				22436	* LIST ITEMS DESIRED	K4235500
007122	4110 F001	00001		22437	CTMLIST LA R1,1(0,R15)	K4236000
007126	9540 1000	00000		22438	CTMTBNK CLI 0(R1),C' '	K4236500
00712A	4780 8176	07082		22439	BE CTMDISP	K4237000
00712E	41E0 826C	07178		22440	LA R14,CTMTAB-2	K4237500
007132	41E0 E002	00002		22441	CTMLNXT LA R14,2(0,R14)	K4238000
007136	95FF E000	00000		22442	CLI 0(R14),X'FF'	K4238500
00713A	4780 826A	07176		22443	BE CTMINVO	K4239000
00713E	D500 E000 1000	00000 00000		22444	CLC 0(1,R14),0(R1)	K4239500
007144	4770 8226	07132		22445	BNE CTMLNXT	K4240000
007148	1B33			22446	SR WB,WB	K4240500
00714A	4330 E001	00001		22447	IC WB,1(0,R14)	K4241000
00714E	4930 A0BE	000BE		22448	CH WB,COMLCON	K4241500
007152	47B0 8258	07164		22449	BNL CTMERROR	K4242000
007156	1A34			22450	AR WB,WC	K4242500
007158	BE23 3000	00000		22451	STCM WA,3,0(WB)	K4243000
00715C	4110 1001	00001		22452	LA R1,1(0,R1)	K4243500
007160	47F0 821A	07126		22453	B CTMTBNK	K4244000
				22454	CTMERROR \$CRET MSG='ENTRY CONSOLE NOT SUPPORTED' SEND DIAGNOSTIC	K4244500
007164				22455+	CTMERROR DS 0H	Z0006000
007164	D21A D0B6 839D	000B6 072A9		22456+	MVC COMMAND(27),=C'ENTRY CONSOLE NOT SUPPORTED'	K0131000
00716A	4100 001B	0001B		22457+	LA R0,27	K0131500
00716E	41F0 0008	00008		22458+	LA R15,CORTMSG	K0133000
007172	47F0 C1AC	001AC		22459+	B CORET	K0137500
				22460	CTMINVO \$CFINVO OPERAND=(R1)	R4 K4245000
007176				22461+	CTMINVO DS 0H	Z0006000
007176	47F0 C7A6	007A6		22462+	B COFINVO	K0636500
00717A				22463	CTMTAB DS 0H	K4245500
00717A	C100			22464	DC C'A',AL1(\$DA*2-2)	K4246000
00717C	C602			22465	DC C'F',AL1(\$DF*2-2)	K4246500
00717E	C904			22466	DC C'I',AL1(\$DI*2-2)	K4247000
007180	D106			22467	DC C'J',AL1(\$DJ*2-2)	K4247500
007182	D508			22468	DC C'N',AL1(\$DN*2-2)	K4248000
007184	D60A			22469	DC C'O',AL1(\$DO*2-2)	K4248500
007186	D80C			22470	DC C'Q',AL1(\$DQ*2-2)	K4249000
007188	E40E			22471	DC C'U',AL1(\$DU*2-2)	K4249500
				22472	* OPTIONAL SPECIFICATIONS NOT DISPLAYED	K4250000
00718A	7D06			22473	DC X'7D',AL1(\$D7D*2-2)	K4250500
00718C	E206			22474	DC C'S',AL1(\$DS*2-2)	K4251000
00718E	E306			22475	DC C'T',AL1(\$DT*2-2)	K4251500
007190	FF			22476	DC X'FF'	K4252000
				22477	DROP R10	K4252500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22479	*****	K4253500
				22480	*	* K4254000
				22481	* \$T OSCX,D=M/D=J/D=T - SET OS CONSOLE DISPLAY OPTION	* K4254500
				22482	*	* K4255000
				22483	* X = CONSOLE UCMID NUMBER	* K4255500
				22484	* M = DISPLAY MESSAGE TEXT ONLY	* K4256000
				22485	* J = DISPLAY JOB ID AND MESSAGE TEXT	* K4256500
				22486	* T = DISPLAY TIME STAMP, JOB ID, AND TEXT	* K4257000
				22487	*	* K4257500
				22488	*****	K4258000
007192				22489	CTO DS 0H	K4258500
				22490	\$CFVCVB POINTER=(WD),NOK=CTOINVO GET UCMID	K4259000
007192				22491+	DS 0H	Z0006000
007192	1815			22492+	LR R1,WD	CJ018000
007194	45E0 C456	00456		22493+	BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
007198	47F0 830C	07218		22494+	B CTOINVO BRANCH IF OPERAND INVALID	K0196500
00719C	4110 00FF	000FF		22495	LA R1,255 SET MAXIMUM UCMID	K4259500
0071A0	1901			22496	CR R0,R1 ABOVE MAX	K4260000
0071A2	4720 830C	07218		22497	BH CTOINVO EXIT IF HIGH	K4260500
				22498	* COMNULOP BYTE 0 IS 0 FOR D=M	K4261000
0071A6	58F0 0010	00010		22499	L R15,CVTPTR POINT TO CVT	K4261500
0071AA	58F0 F064	00064		22500	L R15,CVTCUCB-CVT(,R15) POINT TO UCM	K4262000
0071AE	9813 F048	00048		22501	LM R1,WB,UCMVEA-UCM(R15) PICK UP ELEMENT SCAN PARMS	K4262500
0071B2	BD01 101A	0001A		22502	CTOCONL CLM R0,1,UCMID-UCMLIST(R1) FIND ENTRY	K4263000
0071B6	4780 82B6	071C2		22503	BE CTOCON EXIT IF FOUND	K4263500
0071BA	8712 82A6	071B2		22504	BXLE R1,WA,CTOCONL LOOP	K4264000
0071BE	47F0 830C	07218		22505	B CTOINVO ERROR EXIT	K4264500
0071C2	1831			22506	CTOCON LR WB,R1 SAVE UCME ADDRESS	K4265000
0071C4	8756 82E2	071EE		22507	BXLE WD,WE,CTOSEL CHECK FOR MORE PARAMETERS	K4265500
				22508	CTOSET \$GETLOK , LOCK	K4266000
0071C8	58F0 B0F0	000F0		22509+	CTOSET L R15,\$GETLOK POINT TO ROUTINE	DL006000
0071CC	05EF			22510+	BALR LINK,R15 ENTER GET LOCK ROUTINE	DL008000
				22511	MODESET EXTKEY=ZERO GET KEY 0	K4266500
				22512+*	/* MACDATE Y-3 77277 @ZA26071*/	01800003
				22513+*	/*	01850002
0071CE	B20A 0000	00000		22514+	SPKA 0(0) SET PSW KEY	79716002
0071D2	943F 302B	0002B		22515	NI UCMDISP2-UCMLIST(WB),255-UCMDISPI-UCMDISPJ RESET	K4267000
0071D6	D600 302B D1D8	0002B 001D8		22516	OC UCMDISP2-UCMLIST(1,WB),COMNULOP TURN ON INDICATORS	K4267500
				22517	MODESET EXTKEY=HASP GET KEY 1	K4268000
				22518+*	/* MACDATE Y-3 77277 @ZA26071*/	01800003
				22519+*	/*	01850002
0071DC	B20A 0010	00010		22520+	SPKA 16(0) SET PSW KEY	79716002
				22521	\$FRELOK , UNLOCK	K4268500
0071E0	58F0 B0F4	000F4		22522+	L R15,\$FRELOK POINT TO ROUTINE	DB006000
0071E4	05EF			22523+	BALR LINK,R15 FREE LOCK	DB008000
				22524	CTOXIT \$CRET MSG=OK EXIT WITH OK	K4269000
0071E6				22525+	CTOXIT DS 0H	Z0006000
0071E6	41F0 0004	00004		22526+	LA R15,CORTOK RETURN AND ISSUE OK MESSAGE	K0136000
0071EA	47F0 C1AC	001AC		22527+	B CORET RETURN	K0137500
0071EE	5810 5000	00000		22528	CTOSEL L R1,0(0,WD) POINT TO OPERAND	K4269500
0071F2	D501 1000 8398	00000 072A4		22529	CLC 0(2,R1),=C'D=' CHECK FOR D=	K4270000
0071F8	4770 830C	07218		22530	BNE CTOINVO EXIT IF NOT	K4270500
0071FC	4110 1002	00002		22531	LA R1,2(0,R1) POINT TO SELECT CHARACTER	K4271000
				22532	\$CFSEL (M,CTOSET),(J,CTOJ),(T,CTOT),OPERAND=(R1)	K4271500
007200				22533+	DS 0H	Z0006000
007200	95D4 1000	00000		22534+	CLI 0(R1),C'M' TEST CHARACTER	R4 K1097000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
007204	4780 82BC	071C8		22535+	BE CTOSET	BR IF MATCH R4 K1097500
007208	95D1 1000	00000		22536+	CLI 0(R1),C'J'	TEST CHARACTER R4 K1097000
00720C	4780 8314	07220		22537+	BE CTOJ	BR IF MATCH R4 K1097500
007210	95E3 1000	00000		22538+	CLI 0(R1),C'T'	TEST CHARACTER R4 K1097000
007214	4780 831C	07228		22539+	BE CTOT	BR IF MATCH R4 K1097500
007218	5810 5000	00000		22540	CTOINVO L R1,0(0,WD)	POINT TO K4272000
				22541	\$CFINVO OPERAND=(R1)	INVALID OPERAND K4272500
00721C	47F0 C7A6	007A6		22542+	B COFINVO	REPLY INVALID OPERAND K0636500
007220	9640 D1D8	001D8		22543	CTOJ OI COMNULOP,UCMDISPJ	SET TO DISPLAY JOB ID K4273000
007224	47F0 82BC	071C8		22544	B CTOSET	SET UCME K4273500
007228	9680 D1D8	001D8		22545	CTOT OI COMNULOP,UCMDISPI	SET TO DISPLAY TIME STAMP K4274000
00722C	47F0 82BC	071C8		22546	B CTOSET	SET UCME K4274500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22548	*****	K4275500
				22549	*	* K4276000
				22550	* \$T RX.CON,D=M/D=J/C=T - SET REMOTE CONSOLE DISPLAY OPTION	* K4276500
				22551	*	* K4277000
				22552	* M = DISPLAY MESSAGE TEXT ONLY	* K4277500
				22553	* J = DISPLAY JOB ID AND MESSAGE TEXT	* K4278000
				22554	* T = DISPLAY TIME STAMP, JOB ID, AND TEXT	* K4278500
				22555	*	* K4279000
				22556	*****	K4279500
007230				22557	CTOR DS 0H	K4280000
		00000		22558	USING RATDSECT,WA	K4280500
				22559	* WA SET TO RAT ADDRESS BY DEVICE COMMAND GROUP CONTROL	K4281000
007230	9102 D07F	0007F		22560	TM COMAUTH,COMD IS CONSOLE RESTRICTED FOR DEVICE R4	K4281500
007234	4710 830C	07218		22561	BO CTOINVO EXIT IF YES	K4282000
007238	9108 D07F	0007F		22562	TM COMAUTH,CMBFLAGR IS THIS A REMOTE RESTRICTION R4	K4282500
00723C	4780 833E	0724A		22563	BZ CTORCOK DO NEXT OPERAND IF NOT	K4283000
007240	D501 D088 2010	00088 00010		22564	CLC COMJROUT,RATROUTE CHECK CONSOLE ROUTE FIELD R41	K4283500
007246	4770 830C	07218		22565	BNE CTOINVO EXIT IF NOT	K4284000
00724A	8756 8350	0725C		22566	CTORCOK BXLE WD,WE,CTORSEL IF MORE OPERANDS EXAMINE	K4284500
00724E	943F 2018	00018		22567	CTORSET NI RATCONF,255-RATCONFJ-RATCONFJ RESET OPTIONS	K4285000
007252	D600 2018 D1D8	00018 001D8		22568	OC RATCONF,COMNULOP SET SELECTIONS	K4285500
007258	47F0 82DA	071E6		22569	B CTOXIT RETURN	K4286000
00725C	5810 5000	00000		22570	CTORSEL L R1,0(0,WD) POINT TO OPERAND	K4286500
007260	D501 1000 8398	00000 072A4		22571	CLC 0(2,R1),=C'D=' CHECK FOR D=	K4287000
007266	4770 830C	07218		22572	BNE CTOINVO ERROR IF NOT	K4287500
00726A	4110 1002	00002		22573	LA R1,2(0,R1) POINT TO SELECT CHARACTER	K4288000
				22574	\$CFSEL (M,CTORSET),(J,CTORJ),(T,CTORT),OPERAND=(R1)	K4288500
00726E				22575+	DS 0H	Z0006000
00726E	95D4 1000	00000		22576+	CLI 0(R1),C'M' TEST CHARACTER R4	K1097000
007272	4780 8342	0724E		22577+	BE CTORSET BR IF MATCH R4	K1097500
007276	95D1 1000	00000		22578+	CLI 0(R1),C'J' TEST CHARACTER R4	K1097000
00727A	4780 837E	0728A		22579+	BE CTOJ BR IF MATCH R4	K1097500
00727E	95E3 1000	00000		22580+	CLI 0(R1),C'T' TEST CHARACTER R4	K1097000
007282	4780 8386	07292		22581+	BE CTORT BR IF MATCH R4	K1097500
007286	47F0 830C	07218		22582	B CTOINVO ERROR EXIT	K4289000
00728A	9640 D1D8	001D8		22583	CTORJ OI COMNULOP,RATCONFJ SET TO DISPLAY JOB, TEXT	K4289500
00728E	47F0 8342	0724E		22584	B CTORSET SET FLAG	K4290000
007292	9680 D1D8	001D8		22585	CTORT OI COMNULOP,RATCONFJ SET TO DISPLAY TIME, JOB, TEXT	K4290500
007296	47F0 8342	0724E		22586	B CTORSET SET FLAG	K4291000
				22587	DROP WA	K4291500
0072A0				22589	LTORG ,	K4292500
0072A0	000F			22590	=H'15'	
0072A2	000A			22591	=H'10'	
0072A4	C47E			22592	=C'D='	
0072A6	C3D6D5			22593	=C'CON'	
0072A9	C5D5E3D9E840C3D6			22594	=C'ENTRY CONSOLE NOT SUPPORTED'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22596	HASPCAOC \$COMGRUP CA,SA,TA,ZA	AUTOMATIC OPERATOR COMMANDS K4294000
0072C4				22597+	HASPCAOC DS 0H	K0088500
		072C4		22598+	USING *,BASE3	ADDRESSABILITY K0089000
0072C4	07F1			22599+	BR R1	GO TO SUB-PROCESSOR SELECTED K0091000
				22600	*****	K4294500
				22601	*	* K4295000
				22602	* \$C A -- CANCEL AUTOMATIC OPERATOR COMMANDS	* K4295500
				22603	*	* K4296000
				22604	*****	K4296500
		00000		22605	USING ACTDSECT,WA	K4297000
		00000		22606	USING ACEDSECT,WB	K4297500
0072C6	5820 B234	00234		22607	CCA L WA,\$ACTABLE	POINT TO ACT K4298000
0072CA	5850 201C	0001C		22608	L WD,ACTACEF	POINT TO FIRST FREE ELEMENT K4298500
0072CE	BF1F 2014	00014		22609	ICM R1,15,ACTACE	POINT TO FIRST ACTIVE ELEMENT K4299000
0072D2	4780 803E	07302		22610	BZ CCANACT	BR IF NO ACTIVE K4299500
0072D6	45E0 C43A	0043A		22611	BAL LINK,COMACEKT	KILL TIMER K4300000
0072DA	5810 2014	00014		22612	L R1,ACTACE	POINT TO ACE K4300500
0072DE	18F1			22613	CCAFIND LR R15,R1	POINT TO FIRST K4301000
0072E0	1831			22614	CCAENDAL LR WB,R1	POINT TO ACE K4301500
0072E2	BF1F 3000	00000		22615	ICM R1,15,ACEACE	POINT TO NEXT K4302000
0072E6	4770 801C	072E0		22616	BNZ CCAENDAL	LOOP K4302500
0072EA	5010 2014	00014		22617	ST R1,ACTACE	ZERO ACTIVE POINTERS K4303000
0072EE	5010 2018	00018		22618	ST R1,ACTACEZ	SET ACTIVE POINTERS K4303500
0072F2	5050 3000	00000		22619	ST WD,ACEACE	SET OLD FREE BEHIND K4304000
0072F6	50F0 201C	0001C		22620	ST R15,ACTACEF	SET NEW FREE CHAIN K4304500
				22621	CCARET \$CRET MSG=OK	RETURN WITH OK K4305000
0072FA				22622+	CCARET DS 0H	Z0006000
0072FA	41F0 0004	00004		22623+	LA R15,CORTOK	RETURN AND ISSUE OK MESSAGE K0136000
0072FE	47F0 C1AC	001AC		22624+	B CORET	RETURN K0137500
007302	BF1F 2018	00018		22625	CCANACT ICM R1,15,ACTACEZ	PICK UP FIRST HALTED ACE K4305500
007306	4770 801A	072DE		22626	BNZ CCAFIND	FIND END K4306000
00730A	47F0 8036	072FA		22627	B CCARET	RETURN K4306500
				22628	*****	K4307000
				22629	*	* K4307500
				22630	* \$S A -- START AUTOMATIC OPERATOR COMMANDS	* K4308000
				22631	*	* K4308500
				22632	*****	K4309000
00730E	5820 B234	00234		22633	CSA L WA,\$ACTABLE	POINT TO ACT K4309500
007312	947F 2038	00038		22634	NI ACTFLAG,255-ACTFLAGZ	TURN OFF HALT FLAG IF ON K4310000
007316	BF3F 2018	00018		22635	ICM WB,15,ACTACEZ	PICK UP HALTED ACE Q K4310500
00731A	4780 8036	072FA		22636	BZ CCARET	RETURN K4311000
00731E	5030 2014	00014		22637	ST WB,ACTACE	PUT INTO ACTIVE CHAIN K4311500
007322	1F33			22638	SLR WB,WB	ZERO WORK K4312000
007324	5030 2018	00018		22639	ST WB,ACTACEZ	SET ZERO IN HALTED K4312500
007328	45E0 C43A	0043A		22640	BAL LINK,COMACEKT	KILL TIMER K4313000
00732C	47F0 8036	072FA		22641	B CCARET	RETURN K4313500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22643	*****	K4314500
				22644	*	* K4315000
				22645	* \$T A ID,I=SSSS/T=HH.MM/CANCEL/'TEXT' -- SET ACE	* K4315500
				22646	*	* K4316000
				22647	* ID = USER OR SYSTEM ASSIGNED ACE ID	* K4316500
				22648	* HH.MM = TIME OF CURRENT DAY TO EXECUTE 'TEXT' (00.01-99.59)	* K4317000
				22649	* SSSS = TIME INTERVAL BETWEEN EXECUTIONS	* K4317500
				22650	* CANCEL= DELETE ACE	* K4318000
				22651	* 'TEXT'= COMMAND(S) TO EXECUTE AT TIME INDICATED	* K4318500
				22652	*	* K4319000
				22653	*****	K4319500
007330				22654	CTA DS 0H START CHANGE ACE COMMAND	K4320000
007330	D503 D0B7 8484	000B7	07748	22655	CLC COMVERB(4),=C'TALL' TEST FOR \$TALL COMMAND	K4320500
007336	4770 8082	07346		22656	BNE CTANOTAL NO--CONTINUE MODIFY ACE CMND	K4321000
00733A	4810 84A0	07764		22657	LH R1,=Y(CTALL-HASPCSY1) PICK-UP OFFSET TO \$TALL COMMAND	K4321500
00733E	5880 8488	0774C		22658	L BASE3,=A(HASPCSY1) POINT TO \$TALL PROCESSING GROUP	K4322000
007342	1E18			22659	ALR R1,BASE3 COMPUTE \$TALL ENTRY ADDRESS	K4322500
007344	07F8			22660	BR BASE3 EXIT TO \$TALL COMMAND	K4323000
007346				22661	CTANOTAL DS 0H R4 K4323500	
007346	5820 B234	00234		22662	L WA,\$ACTABLE POINT TO ACE TABLE	K4326000
00734A	45E0 C33A	0033A		22663	BAL LINK,COMACETR GET NEW BASE	K4326500
00734E	47F0 8420	076E4		22664	B CTATERR ERROR EXIT	K4327000
007352	5810 5000	00000		22665	CTAA L R1,0(0,WD) POINT TO OPERAND	K4327500
007356	5840 5004	00004		22666	L WC,4(0,WD) POINT TO NEXT	K4328000
00735A	0640			22667	BCTR WC,0 REDUCE TO OPERAND	K4328500
00735C	0640			22668	BCTR WC,0 LAST CHARACTER	K4329000
00735E	1B41			22669	SR WC,R1 GET COUNT OF ID	K4329500
007360	47D0 8298	0755C		22670	BNP CTANOID BR IF NO ID	K4330000
007364	4940 84A2	07766		22671	CH WC,=H'4' CHECK FOR WITHIN RANGE	K4330500
007368	4720 80E0	073A4		22672	BH CTAINVO EXIT IF OPERAND INVALID	K4331000
00736C	0640			22673	BCTR WC,0 GET MACHINE LEBGTH	K4331500
00736E	D203 D08C 848C	0008C	07750	22674	MVC COMEWORK,=CL4' ' BLANK COMEWORK	K4332000
007374	4440 844C	07710		22675	EX WC,CTAMID MOVE ID TO TEMPORARY	K4332500
				22676	* FIND ACE WITH ID INDICATED	K4333000
007378	4130 2014	00014		22677	LA WB,ACTACE-(ACEACE-ACEDSECT) POINT TO ACTIVE HEAD	K4333500
00737C	9180 2038	00038		22678	TM ACTFLAG,ACTFLAGZ IS QUEUE HALTED	K4334000
007380	4780 80C4	07388		22679	BZ CTASACE SKIP NEXT IF NOT	K4334500
007384	4130 2018	00018		22680	LA WB,ACTACEZ-(ACEACE-ACEDSECT) POINT TO HALTED HEAD	K4335000
007388	18F3			22681	CTASACE LR R15,WB COPY POINTER	K4335500
00738A	BF3F 3000	00000		22682	ICM WB,15,ACEACE POINT TO NEXT ACE	K4336000
00738E	4780 834A	0760E		22683	BZ CTACENEW EXIT IF END	K4336500
007392	D503 3006 D08C	00006	0008C	22684	CLC ACEID,COMEWORK CHECK FOR MATCH	K4337000
007398	4770 80C4	07388		22685	BNE CTASACE LOOP	K4337500
00739C	45E0 83FE	076C2		22686	BAL LINK,CTAAECK CHECK AUTHORITY	K4338000
0073A0	47F0 80F8	073BC		22687	B CTAAOK OK, CONTINUE +0	K4338500
				22688	* CONSOLE DOES NOT HAVE AUTHORITY TO REFERENCE THE ACE +4	K4339000
0073A4	D207 D0B6 1000	000B6	00000	22689	CTAINVO MVC COMMAND(8),0(R1) SHIFT TEXT	K4339500
0073AA	D215 D0BE 84A4	000BE	07768	22690	MVC COMMAND+8(22),=C' INVALID SPECIFICATION'	K4340000
0073B0	4100 001E	0001E		22691	LA R0,8+22 SET LENGTH	K4340500
0073B4	47F0 8100	073C4		22692	B CTALDISR EXIT WITH DISPLAY	K4341000
				22694	CTAINVC \$CFINVC , INVALID COMMAND ERROR EXIT R4	K4342000
0073B8	47F0 C794	00794		22695	+CTAINVC B COFINVC REPLY INVALID COMMAND	K0621000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0073BC	8756	811E	073E2		22697	CTAAOK	BXLE WD,WE,CTAMODS	CHECK FOR MORE OPERANDS K4343000
0073C0	45E0	839A	0765E		22698	CTALDIS	BAL LINK,CTADIS	PREPARE DISPLAY K4343500
0073C4	9180	2038	00038		22699	CTALDISR	TM ACTFLAG,ACTFLAGZ	HALTED K4344000
0073C8	4780	8116	073DA		22700		BZ CTALDISX	LET IT GO AS IS K4344500
					22701		\$CWTO L=(R0)	DISPLAY WHAT WE HAVE K4345000
0073CC					22702+		DS 0H	Z0006000
0073CC	4520	C07A	0007A		22703+		BAL WA,CWTO	REPLY TO OPERATOR K0161500
0073D0	D218	D0B6	C312 000B6	00312	22704		MVC COMMAND(COMACEML-2),COMACEMT	SET DIAGNOSTIC K4345500
0073D6	4100	0019	00019		22705		LA R0,COMACEML-2	SET LENGTH K4346000
					22706	CTALDISX	\$CRET L=(R0)	EXIT WITH DISPLAY K4346500
0073DA					22707+	CTALDISX	DS 0H	Z0006000
0073DA	41F0	0008	00008		22708+		LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
0073DE	47F0	C1AC	001AC		22709+		B CORET	RETURN K0137500
					22710		* REMOVE ACE FROM QUEUE AND BUILD UPON IT	K4347000
0073E2	D203	F000	3000 00000	00000	22711	CTAMODS	MVC ACEACE-ACEDSECT(,R15),ACEACE	REMOVE ACE K4347500
					22712		*****	K4348000
					22713		*	* K4348500
					22714		* MODIFY ACE (ACE IS OFF ALL CHAINS)	* K4349000
					22715		*	* K4349500
					22716		*****	K4350000
0073E8	5810	5000	00000		22717	CTAMOD	L R1,0(0,WD)	POINT TO OPERAND K4350500
0073EC	5840	5004	00004		22718		L WC,4(0,WD)	POINT TO NEXT K4351000
0073F0	0640				22719		BCTR WC,0	POINT TO COMMA K4351500
0073F2	957D	1000	00000		22720		CLI 0(R1),C''''	CHECK FOR APOSTROPHE @OZ46720 K4352000
0073F6	4780	816C	07430		22721		BE CTATEXT	IF SO SET TEXT @OZ46720 K4352500
					22722		* MUST BE TIME, INTERVAL, OR CANCEL	@OZ46720 K4353000
0073FA	957E	1001	00001		22723		CLI 1(R1),C'='	IS IT T OR I @OZ46720 K4353500
0073FE	4780	81CC	07490		22724		BE CTAMTIME	IF SO MODIFY TIME @OZ46720 K4354000
					22725		* MUST BE CANCEL	@OZ46720 K4354500
007402	95C3	1000	00000		22726		CLI 0(R1),C'C'	IS IT CANCEL K4355000
007406	4780	815E	07422		22727		BE CTACAN	CANCEL IT IF YES K4355500
00740A	D207	D0B6	1000 000B6	00000	22728	CTAABORT	MVC COMMAND(8),0(R1)	SHIFT ERROR K4356000
007410	D215	D0BE	84A4 000BE	07768	22729		MVC COMMAND+8(22),=C'	INVALID SPECIFICATION' K4356500
007416	4100	001E	0001E		22730		LA R0,22+8	SET MESSAGE LENGTH K4357000
					22731	CTAFREE	\$CWTO L=(R0)	SEND MESSAGE K4357500
00741A					22732+	CTAFREE	DS 0H	Z0006000
00741A	4520	C07A	0007A		22733+		BAL WA,CWTO	REPLY TO OPERATOR K0161500
00741E	5820	B234	00234		22734		L WA,\$ACTABLE	POINT TO ACT K4358000
007422	D203	3000	201C 00000	0001C	22735	CTACAN	MVC ACEACE,ACTACEF	PUT FREE QUEUE BEHIND K4358500
007428	5030	201C	0001C		22736		ST WB,ACTACEF	FREE ACE K4359000
00742C	47F0	80FC	073C0		22737		B CTALDIS	DISPLAY AND EXIT K4359500
007430	0640				22738	CTATEXT	BCTR WC,0	POINT TO LAST CHARACTER @OZ46720 K4360000
007432	957D	4000	00000		22739		CLI 0(WC),C''''	CHECK FOR APOSTROPHE @OZ46720 K4360100
007436	4770	8178	0743C		22740		BNE *+6	SKIP NEXT K4360500
00743A	0640				22741		BCTR WC,0	REDUCE BY 1 K4361000
00743C	0640				22742		BCTR WC,0	REDUCE FOR MACHINE COUNT K4361500
00743E	1B41				22743		SR WC,R1	CALCULATE MOVE COUNT K4362000
007440	4740	8146	0740A		22744		BM CTAABORT	ABORT IF NULL K4362500
007444	4940	84BA	0777E		22745		CH WC,=Y(L'ACETEXT)	MAKE SURE NOT TOO LONG K4363000
007448	47B0	8146	0740A		22746		BNL CTAABORT	ABORT IF TOO LONG K4363500
00744C	D500	1001	B2ED 00001	002ED	22747		CLC 1(1,R1),\$CCOMCHR	CHECK COMMAND CHARACTER @OZ40998 K4364000
007452	4770	8146	0740A		22748		BNE CTAABORT	ABORT IF NOT K4364500
007456	9240	3010	00010		22749		MVI ACETEXT,C' '	BLANK OUT TEXT K4365000
00745A	D24E	3011	3010 00011	00010	22750		MVC ACETEXT+1(L'ACETEXT-1),ACETEXT	AREA K4365500
007460	4440	8456	0771A		22751		EX WC,CTAMTXT	MOVE TEXT K4366000
007464	9680	3004	00004		22752		OI ACEFLAG,ACEFLAGD	SET TEXT OK FLAG K4366500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
007468	8756 8124	073E8		22753	CTAMODN	BXLE WD,WE,CTAMOD	MODIFY MORE K4367000
00746C	D214 D0B6 84EA	000B6	077AE	22754		MVC COMMAND(21),=C'INSUFFICIENT OPERANDS'	K4367500
007472	4100 0015	00015		22755		LA R0,21	SET LENGTH K4368000
007476	9190 3004	00004		22756		TM ACEFLAG,ACEFLAGD+ACEFLAGT	DO WE HAVE REQUIRED PARMS K4368500
00747A	47E0 8156	0741A		22757		BNO CTAFREE	SEND DIAGNOSTIC IF NOT K4369000
00747E	5800 300C	0000C		22758		L R0,ACETIME	GET TIME OF COMMAND K4369500
007482	1813			22759		LR R1,WB	COPY POINTER K4370000
007484	1843			22760		LR WC,WB	SAVE ACE ADDRESS K4370500
007486	45E0 C404	00404		22761		BAL LINK,COMAADD	ADD ACE TO ACTIVE CHAIN K4371000
00748A	1834			22762		LR WB,WC	BACK TO ACE K4371500
00748C	47F0 80FC	073C0		22763		B CTALDIS	DISPLAY ACE K4372000
007490	41E0 1002	00002		22764	CTAMTIME	LA R14,2(0,R1)	POINT TO NUMERIC K4372500
007494	1B4E			22765		SR WC,R14	GET LENGTH OF SSSS K4373000
007496	47D0 8146	0740A		22766		BNP CTAABORT	ABORT IF NULL K4373500
00749A	1F00			22767		SLR R0,R0	ZERO AC K4374000
00749C	95E3 1000	00000		22768		CLI 0(R1),C'T'	IS IT T K4374500
0074A0	4780 822A	074EE		22769		BE CTATIME	BR IF YES K4375000
0074A4	95C9 1000	00000		22770		CLI 0(R1),C'I'	IS IT I K4375500
0074A8	4770 8146	0740A		22771		BNE CTAABORT	ABORT IF NOT K4376000
				22772	* USER WANTS	INTERVAL	K4376500
0074AC	4940 84A2	07766		22773		CH WC,=H'4'	CHECK FOR TOO LONG K4377000
0074B0	4720 8146	0740A		22774		BH CTAABORT	ABORT IF TOO LONG K4377500
0074B4	4C00 84BC	07780		22775	CTAIL	MH R0,=H'10'	MULTIPLY BY 10 K4378000
0074B8	43F0 E000	00000		22776	CTAILA	IC R15,0(,R14)	PICK UP CHARACTER K4378500
0074BC	54F0 8490	07754		22777		N R15,=A(X'F')	MASK OUT HIGH VALUES K4379000
0074C0	95F0 E000	00000		22778		CLI 0(R14),C'0'	CHECK FOR NUMERIC K4379500
0074C4	4740 8146	0740A		22779		BL CTAABORT	ABORT IF LOW K4380000
0074C8	1A0F			22780		AR R0,R15	ADD K4380500
0074CA	41E0 E001	00001		22781		LA R14,1(0,R14)	UP 1 K4381000
0074CE	4640 81F0	074B4		22782		BCT WC,CTAIL	LOOP K4381500
0074D2	95E3 1000	00000		22783		CLI 0(R1),C'T'	IS IT T K4382000
0074D6	4780 8280	07544		22784		BE CTATIMEC	BR IF YES K4382500
0074DA	4900 84BE	07782		22785		CH R0,=H'30'	CHECK FOR BELOW 30 K4383000
0074DE	4740 8146	0740A		22786		BL CTAABORT	EXIT IF LOW K4383500
0074E2	4000 300A	0000A		22787		STH R0,ACEINTV	SET INTERVAL K4384000
0074E6	9610 3004	00004		22788		OI ACEFLAG,ACEFLAGT	SET TIME IS SET K4384500
0074EA	47F0 81A4	07468		22789		B CTAMODN	LOOP K4385000
0074EE	4940 84C0	07784		22790	CTATIME	CH WC,=H'5'	CHECK FOR TOO LONG K4385500
0074F2	4720 8146	0740A		22791		BH CTAABORT	ABORT IF LONG K4386000
0074F6	4940 84A2	07766		22792		CH WC,=H'4'	CHECK FOR TOO SHORT K4386500
0074FA	4740 8146	0740A		22793		BL CTAABORT	ABORT IF LOW K4387000
0074FE	4780 8256	0751A		22794		BE CTALHR	DO 1 DIGIT HOUR K4387500
007502	95F0 E000	00000		22795		CLI 0(R14),C'0'	CHECK FOR NUMERIC K4388000
007506	4740 8146	0740A		22796		BL CTAABORT	ABORT IF NOT K4388500
00750A	4300 E000	00000		22797		IC R0,0(,R14)	PICK UP VALUE K4389000
00750E	5400 8490	07754		22798		N R0,=A(X'F')	PURIFY K4389500
007512	4C00 84BC	07780		22799		MH R0,=H'10'	MULTIPLY BY 10 K4390000
007516	41E0 E001	00001		22800		LA R14,1(0,R14)	ACCOUNT FOR SPACE K4390500
00751A	95F0 E000	00000		22801	CTALHR	CLI 0(R14),C'0'	NUMERIC K4391000
00751E	4740 8146	0740A		22802		BL CTAABORT	ABORT IF NOT K4391500
007522	43F0 E000	00000		22803		IC R15,0(,R14)	PICK UP CHARACTER K4392000
007526	54F0 8490	07754		22804		N R15,=A(X'F')	PURIFY K4392500
00752A	1A0F			22805		AR R0,R15	ACCUMULATE K4393000
00752C	954B E001	00001		22806		CLI 1(R14),C'.'	CHECK FOR SEPARATOR K4393500
007530	4770 8146	0740A		22807		BNE CTAABORT	EXIT IF NOT OK K4394000
007534	4C00 84C2	07786		22808		MH R0,=H'6'	MULTIPLY BY 6 K4394500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
007538	4140 0002	00002		22809	LA WC,2	SET 2 K4395000
00753C	41E0 E002	00002		22810	LA R14,2(0,R14)	UP 2 K4395500
007540	47F0 81F4	074B8		22811	B CTAILA	CONVERT LAST 2 K4396000
007544	4900 84C4	07788		22812	CTATIMEC CH R0,=H'6000'	CHECK FOR BEYOND MAXIMUM K4396500
007548	47B0 8146	0740A		22813	BNL CTAABORT	ABORT IF YES K4397000
00754C	4C00 84C6	0778A		22814	MH R0,=H'60'	GET NUMBER OF SECONDS K4397500
007550	5000 300C	0000C		22815	ST R0,ACETIME	SET TIME OF DAY K4398000
007554	9610 3004	00004		22816	OI ACEFLAG,ACEFLAGT	SET TIME IS SET K4398500
007558	47F0 81A4	07468		22817	B CTAMODN	LOOP K4399000
				22818	* USER DID NOT GIVE ID - DISPLAY OR CREATE ACE	K4399500
00755C	8756 82EE	075B2		22819	CTANOID BXLE WD,WE,CTAGETID	IF MORE PARMS GET ID K4400000
007560	D219 D0B6 84C8	000B6	0778C	22820	MVC COMMAND(26),=C'NO AUTOMATIC COMMAND FOUND'	K4400500
007566	4100 001A	0001A		22821	LA R0,26	SET COUNT K4401000
00756A	4130 2014	00014		22822	LA WB,ACTACE-(ACEACE-ACEDSECT)	POINT TO HEAD OF ACES K4401500
00756E	9180 2038	00038		22823	TM ACTFLAG,ACTFLAGZ	CHECK FOR HALTED K4402000
007572	4780 82B6	0757A		22824	BZ CTADAL	SKIP NEXT IF NOT K4402500
007576	4130 2018	00018		22825	LA WB,ACTACEZ-(ACEACE-ACEDSECT)	POINT TO HALTED HEAD K4403000
00757A	BF3F 3000	00000		22826	CTADAL ICM WB,15,ACEACE	POINT TO NEXT ACE K4403500
00757E	4780 8100	073C4		22827	BZ CTALDISR	EXIT WITH MESSAGE K4404000
007582	45E0 83FE	076C2		22828	BAL LINK,CTAAECK	CHECK CONSOLE AUTHORITY K4404500
007586	47F0 82CA	0758E		22829	B CTADALL	DO DISPLAY IF OK +0 K4405000
00758A	47F0 82B6	0757A		22830	B CTADAL	LOOP +4 K4405500
00758E	45E0 839A	0765E		22831	CTADALL BAL LINK,CTADIS	CREATE MESSAGE K4406000
007592	BF3F 3000	00000		22832	CTADALLA ICM WB,15,ACEACE	POINT TO NEXT ACE K4406500
007596	4780 8100	073C4		22833	BZ CTALDISR	EXIT WITH MESSAGE K4407000
00759A	45E0 83FE	076C2		22834	BAL LINK,CTAAECK	CHECK CONSOLE AUTHORITY K4407500
00759E	47F0 82E2	075A6		22835	B *+8	SKIP NSI IF OK +0 K4408000
0075A2	47F0 82CE	07592		22836	B CTADALLA	GET NEXT ACE IF NOT OK +4 K4408500
				22837	\$CWTO L=(R0)	DISPLAY K4409000
0075A6				22838+	DS 0H	Z0006000
0075A6	4520 C07A	0007A		22839+	BAL WA,CWTO	REPLY TO OPERATOR K0161500
0075AA	5820 B234	00234		22840	L WA,\$ACTABLE	RESTORE WA K4409500
0075AE	47F0 82CA	0758E		22841	B CTADALL	LOOP K4410000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
					22843	*****	K4411000
					22844	*	* K4411500
					22845	* SUPPLY AN ACE ID LEFT ADJUSTED	* K4412000
					22846	*	* K4412500
					22847	*****	K4413000
0075B2	5810	203C		0003C	22848	CTAGETID L R1,ACTBID PICK UP BASE ID	K4413500
0075B6	4110	1001		00001	22849	LA R1,1(0,R1) UP 1	K4414000
0075BA	4910	84E2		077A6	22850	CH R1,=H'9999' CHECK FOR ABOVE MAX	K4414500
0075BE	47D0	8302		075C6	22851	BNH *+8 SKIP RESET	K4415000
0075C2	4110	0001		00001	22852	LA R1,1 SET NEW BASE	K4415500
0075C6	5010	203C		0003C	22853	ST R1,ACTBID SET FOR NEXT TIME	K4416000
0075CA	1801				22854	LR R0,R1 COPY VALUE	K4416500
					22855	\$CFCVE , CONVERT TO EBCDIC	K4417000
0075CC	45E0	C4BA		004BA	22856+	BAL LINK,COFCVE CONVERT TO EBCDIC	K0233000
0075D0	D203	D08C	D091	0008C	00091	22857 MVC COMEWORK,COMDWORK+1 PUT INTO COMEWORK	K4417500
0075D6	9540	D08C		0008C	22858	CTASLIDE CLI COMEWORK,C' ' CHECK FOR BLANK	K4418000
0075DA	4770	8324		075E8	22859	BNE CTAID IF NOT LOOK FOR ID	K4418500
0075DE	D203	D08C	D08D	0008C	0008D	22860 MVC COMEWORK,COMEWORK+1 SLIDE OVER 1	K4419000
0075E4	47F0	8312		075D6	22861	B CTASLIDE LOOP	K4419500
0075E8	4130	2014		00014	22862	CTAID LA WB,ACTACE-(ACEACE-ACEDSECT) POINT TO HEAD OF CHAIN	K4420000
0075EC	9180	2038		00038	22863	TM ACTFLAG,ACTFLAGZ CHECK FOR HALTED	K4420500
0075F0	4780	8334		075F8	22864	BZ CTAIDS SCAN IDS	K4421000
0075F4	4130	2018		00018	22865	LA WB,ACTACEZ-(ACEACE-ACEDSECT) POINT TO HALTED HEAD	K4421500
0075F8	BF3F	3000		00000	22866	CTAIDS ICM WB,15,ACEACE POINT TO NEXT ID	K4422000
0075FC	4780	834E		07612	22867	BZ CTANEW BUILD NEW IF NO MATCH	K4422500
007600	D503	3006	D08C	00006	0008C	22868 CLC ACEID,COMEWORK CHECK FOR MATCH	K4423000
007606	4770	8334		075F8	22869	BNE CTAIDS LOOP	K4423500
00760A	47F0	82EE		075B2	22870	B CTAGETID GET NEXT ID	K4424000
					22871	*****	K4424500
					22872	*	* K4425000
					22873	* CREATE A NEW ACE	* K4425500
					22874	*	* K4426000
					22875	*****	K4426500
00760E	8656	843E		07702	22876	CTACENEW BXH WD,WE,CTAANF GO TO NEXT OPERAND, ERROR IF NONE	K4427000
007612	BF3F	201C		0001C	22877	CTANEW ICM WB,15,ACTACEF PICK UP NEW ACE	K4427500
007616	4780	8412		076D6	22878	BZ CTAOUT BR IF NO ACE	K4428000
00761A	D203	201C	3000	0001C	00000	22879 MVC ACTACEF,ACEACE SET NEW FREE ACE	K4428500
007620	D200	3004	D07F	00004	0007F	22880 MVC ACEFLAG,COMAUTH COPY RESTRICTIONS R4	K4429000
007626	D200	3005	D076	00005	00076	22881 MVC ACECON,COMUCM COPY POSSIBLE UCMID R4	K4429500
00762C	940F	3004		00004	22882	NI ACEFLAG,ACEFLAGR FORCE OTHER FLAGS OFF R4	K4430000
007630	9110	D070		00070	22883	TM COMFLAG,CMBFLAGU IS THIS UCMID R4	K4430500
007634	4710	837A		0763E	22884	BO CTANEWA SKIP NEXT IF YES	K4431000
007638	D200	3005	B3F8	00005	003F8	22885 MVC ACECON,\$ZEROES INDICATE TO USE MSTR CON @OZ60086	K4431500
					22886	* THIS LINE DELETED BY APAR OZ60086 @OZ60086	K4431550
					22887	* THIS LINE DELETED BY APAR OZ60086 @OZ60086	K4431600
					22888	* THIS LINE DELETED BY APAR OZ60086 @OZ60086	K4431650
					22889	* THIS LINE DELETED BY APAR OZ60086 @OZ60086	K4431700
					22890	* THIS LINE DELETED BY APAR OZ60086 @OZ60086	K4431750
00763E	D701	300A	300A	0000A	0000A	22891 CTANEWA XC ACEINTV,ACEINTV ZERO OUT INTERVAL	K4432000
007644	D703	300C	300C	0000C	0000C	22892 XC ACETIME,ACETIME ZERO TIME	K4432500
00764A	9240	3010		00010	22893	MVI ACETEXT,C' ' BLANK	K4433000
00764E	D24E	3011	3010	00011	00010	22894 MVC ACETEXT+1(L'ACETEXT-1),ACETEXT OUT TEXT AREA	K4433500
007654	D203	3006	D08C	00006	0008C	22895 MVC ACEID,COMEWORK SET ACE ID	K4434000
00765A	47F0	8124		073E8	22896	B CTAMOD FILL IT IN	K4434500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22898	*****	K4435500
				22899	*	* K4436000
				22900	* FORMAT A DISPLAY OF AN ACE	* K4436500
				22901	*	* K4437000
				22902	*****	K4437500
00765E	D216 D0B6 84FF	000B6	077C3	22903	CTADIS MVC CTABASIC,=C'ID **** T=**.** I=**** '	K4438000
007664	D203 D0B9 3006	000B9	00006	22904	MVC CTAAID,ACEID SET ID	K4438500
00766A	BF1F 300C	0000C		22905	ICM R1,15,ACETIME PICK UP TIME	K4439000
00766E	47D0 83D8	0769C		22906	BNP CTADNT BR IF NO TIME	K4439500
007672	1B00			22907	SR R0,R0 ZERO R0	K4440000
007674	5D00 8494	07758		22908	D R0,=A(60*60) SEPARATE HOURS	K4440500
007678	4E10 D090	00090		22909	CVD R1,COMDWORK CONVERT	K4441000
00767C	F317 D0C0 D090	000C0	00090	22910	UNPK CTAHH,COMDWORK TO EBCDIC	K4441500
007682	96F0 D0C1	000C1		22911	OI CTAHH+1,C'0' SET SIGN	K4442000
007686	1810			22912	LR R1,R0 PUT REMAINDER	K4442500
007688	1F00			22913	SLR R0,R0 IN R1	K4443000
00768A	5D00 8498	0775C		22914	D R0,=A(60) DIVIDE BY SECONDS/MIN	K4443500
00768E	4E10 D090	00090		22915	CVD R1,COMDWORK CONVERT	K4444000
007692	F317 D0C3 D090	000C3	00090	22916	UNPK CTAAM,COMDWORK TO EBCDIC	K4444500
007698	96F0 D0C4	000C4		22917	OI CTAAM+1,C'0' SET SIGN	K4445000
00769C	4800 300A	0000A		22918	CTADNT LH R0,ACEINTV PICK UP INTERVAL	K4445500
0076A0	4E00 D090	00090		22919	CVD R0,COMDWORK CONVERT TO DECIMAL	K4446000
0076A4	D205 D08F 84E4	0008F	077A8	22920	MVC COMDWORK-1(6),=X'402020202120'	K4446500
0076AA	DE05 D08F D095	0008F	00095	22921	ED COMDWORK-1(6),COMDWORK+5 THEN TO EBCDIC	K4447000
0076B0	D203 D0C8 D091	000C8	00091	22922	MVC CTAASS,COMDWORK+1 SET SSSS	K4447500
0076B6	D24F D0CD 3010	000CD	00010	22923	MVC CTAATEXT,ACETEXT MOVE TEXT	K4448000
0076BC	4100 0067	00067		22924	LA R0,CTAATEXT-CTABASIC+L'CTAATEXT SET MESSAGE LENGTH	K4448500
0076C0	07FE			22925	BR LINK RETURN	K4449000
				22926	*****	K4449500
				22927	*	* K4450000
				22928	* MISCELLANEOUS	* K4450500
				22929	*	* K4451000
				22930	*****	K4451500
0076C2	4340 D07F	0007F		22931	CTAACECK IC WC,COMAUTH PICK UP RESTRICTION FLAGS R4	K4452000
0076C6	5440 849C	07760		22932	N WC,=A(COMJDS) PURIFY	K4452500
0076CA	078E			22933	BZR LINK RETURN OK IF FULL AUTHORITY CONSOLE	K4453000
0076CC	4440 8452	07716		22934	EX WC,CTAAUTH CHECK PARTIAL AUTHORITY OK	K4453500
0076D0	071E			22935	BOR LINK RETURN OK IF SUFFICIENT	K4454000
0076D2	47F0 E004	00004		22936	B 4(0,LINK) RETURN NOK	K4454500
0076D6	D21E D0B6 8516	000B6	077DA	22938	CTAOUT MVC COMMAND(31),=C'AUTOMATIC COMMAND LIMIT REACHED'	K4455500
0076DC	4100 001F	0001F		22939	LA R0,31 SET LENGTH	K4456000
0076E0	47F0 8100	073C4		22940	B CTALDISR EXIT WITH DIAGNOSTIC	K4456500
0076E4	D603 2014 2014	00014	00014	22942	CTATERR OC ACTACE,ACTACE CHECK FOR EMPTY	K4457500
0076EA	4780 808E	07352		22943	BZ CTAA IF ZERO GO ON	K4458000
0076EE	9680 2038	00038		22944	OI ACTFLAG,ACTFLAGZ SET HALTED	K4458500
0076F2	D203 2018 2014	00018	00014	22945	MVC ACTACEZ,ACTACE PUT QUEUE IN HALTED QUEUE	K4459000
0076F8	D703 2014 2014	00014	00014	22946	XC ACTACE,ACTACE ZERO ACTIVE QUEUE	K4459500
0076FE	47F0 808E	07352		22947	B CTAA GO ON	K4460000
007702	D219 D0B6 84C8	000B6	0778C	22949	CTAANF MVC COMMAND(26),=C'NO AUTOMATIC COMMAND FOUND'	K4461000
007708	4100 001A	0001A		22950	LA R0,26 SET COUNT	K4461500
00770C	47F0 8100	073C4		22951	B CTALDISR EXIT	K4462000

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
007710	D200	D08C	1001	0008C	00001	22953	CTAMID MVC COMEWORK(*-*),1(R1) MOVE USER SPECIFIED ID	K4463000
007716	9100	3004		00004		22954	CTAAUTH TM ACEFLAG,*-* CHECK FOR AUTHORITY	K4463500
00771A	D200	3010	1001	00010	00001	22955	CTAMTXT MVC ACETEXT(*-*),1(R1) MOVE USER TEXT	K4464000
					000B6	22956	CTABASIC EQU COMMAND,23 RESPONSE PATTERN	K4464500
					000B9	22957	CTAAID EQU CTABASIC+3,4 ACE ID	K4465000
					000C0	22958	CTAAHH EQU CTAAID+7,2 HH	K4465500
					000C3	22959	CTAAMM EQU CTAAHH+3,2 MM	K4466000
					000C8	22960	CTAASS EQU CTAAMM+5,4 SSSS	K4466500
					000CD	22961	CTAATEXT EQU CTABASIC+23,L'ACETEXT TEXT AREA	K4467000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				22963	*****	K4468000
				22964	*	* K4468500
				22965	* \$Z A -- HALT AUTOMATIC OPERATOR COMMANDS	* K4469000
				22966	*	* K4469500
				22967	*****	K4470000
007720	5820 B234	00234		22968	CZA L WA,\$ACTABLE POINT TO ACT	K4470500
007724	9680 2038	00038		22969	OI ACTFLAG,ACTFLAGZ SHOW HALTED	K4471000
007728	BF3F 2014	00014		22970	ICM WB,15,ACTACE PICK UP ACTIVE ACE	K4471500
00772C	4780 8036	072FA		22971	BZ CCARET RETURN	K4472000
007730	5030 2018	00018		22972	ST WB,ACTACEZ SET INTO HALTED QUEUE	K4472500
007734	1F33			22973	SLR WB,WB ZERO WORK	K4473000
007736	5030 2014	00014		22974	ST WB,ACTACE SET ZERO IN ACTIVE	K4473500
00773A	45E0 C43A	0043A		22975	BAL LINK,COMACEKT KILL TIMER	K4474000
00773E	47F0 8036	072FA		22976	B CCARET RETURN	K4474500
				22977	DROP WA,WB	K4475000
007748				22979	LTORG ,	K4476000
007748	E3C1D3D3			22980	=C'TALL'	
00774C	000062A2			22981	=A(HASPCSY1)	
007750	40404040			22982	=CL4' '	
007754	0000000F			22983	=A(X'F')	
007758	00000E10			22984	=A(60*60)	
00775C	0000003C			22985	=A(60)	
007760	00000007			22986	=A(COMJDS)	
007764	08B0			22987	=Y(CTALL-HASPCSY1)	
007766	0004			22988	=H'4'	
007768	40C9D5E5C1D3C9C4			22989	=C' INVALID SPECIFICATION'	
00777E	0050			22990	=Y(L'ACETEXT)	
007780	000A			22991	=H'10'	
007782	001E			22992	=H'30'	
007784	0005			22993	=H'5'	
007786	0006			22994	=H'6'	
007788	1770			22995	=H'6000'	
00778A	003C			22996	=H'60'	
00778C	D5D640C1E4E3D6D4			22997	=C'NO AUTOMATIC COMMAND FOUND'	
0077A6	270F			22998	=H'9999'	
0077A8	402020202120			22999	=X'402020202120'	
0077AE	C9D5E2E4C6C6C9C3			23000	=C'INSUFFICIENT OPERANDS'	
0077C3	C9C4405C5C5C5C40			23001	=C'ID **** T=**.** I=**** '	
0077DA	C1E4E3D6D4C1E3C9			23002	=C'AUTOMATIC COMMAND LIMIT REACHED'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23004	HASPCMS1 \$COMGRUP DO,DU	DISPLAY COMMANDS K4477000
0077FA				23005+	HASPCMS1 DS 0H	K0088500
		077FA		23006+	USING *,BASE3	ADDRESSABILITY K0089000
0077FA	07F1			23007+	BR R1	GO TO SUB-PROCESSOR SELECTED K0091000
				23008	*****	K4477500
				23009	*	* K4478000
				23010	* \$D O -- DISPLAY OPERATOR REQUESTS	* K4478500
				23011	*	* K4479000
				23012	*****	K4479500
0077FC				23013	CDO DS 0H	K4480000
				23014	* COMNULOP HIGH BYTE = 0 ON ENTRY	K4480500
		00000		23015	USING CMBDSECT,R1	K4481000
0077FC	1B33			23016	SR WB,WB	CURRENT ID IS ZERO K4481500
0077FE				23017	CDRLOOP DS 0H	K4482000
0077FE	4110 B278	00278		23018	LA R1,\$DOMQUE-(CMBCMB-CMB) POINT TO QUEUE HEAD	R4 K4482500
007802	BF17 1001	00001		23019	CDRLOOPA ICM R1,7,CMBCMB+1	POINT TO NEXT CMB R4 K4483000
007806	4780 8046	07840		23020	BZ CDREND	IF NONE EXIT K4483500
00780A	BD3F 100E	0000E		23021	CLM WB,15,CMBDOMID	CHECK FOR DOMID R4 K4484000
00780E	47B0 8008	07802		23022	BNL CDRLOOPA	LOOP K4484500
007812	BF3F 100E	0000E		23023	ICM WB,15,CMBDOMID	PICK UP NEW ID R4 K4485000
007816	1B55			23024	SR WD,WD	ZERO COUNT REGISTER K4485500
007818	4350 1007	00007		23025	IC WD,CMBML	PICK UP LENGTH R4 K4486000
00781C	D208 D0B6 101D	000B6 0001D		23026	MVC COMMAND(L'CMBJOBID+1),CMBJOBID MOVE JOBID PORTION	K4486500
007822	4120 001C	0001C		23027	LA WA,CMBJOBID-CMBMSG+1	GET LENGTH OF SPECIAL TEXT K4487000
007826	1F52			23028	SLR WD,WA	GET MACHINE MOVE COUNT K4487500
007828	4450 8068	07862		23029	EX WD,CDRMVC	MOVE K4488000
00782C	9280 D1D8	001D8		23030	MVI COMNULOP,X'80'	TURN ON FOUND FLAG K4488500
007830	94FE D0B5	000B5		23031	NI COMMID+1,X'FE'	INDICATE JOB ID SET (IF ANY) K4489000
007834	4100 500A	0000A		23032	LA R0,L'CMBJOBID+2(,WD)	GET TRUE LENGTH K4489500
				23033	\$CWTO L=(R0)	DISPLAY MESSAGE K4490000
007838				23034+	DS 0H	Z0006000
007838	4520 C07A	0007A		23035+	BAL WA,CWTO	REPLY TO OPERATOR K0161500
00783C	47F0 8004	077FE		23036	B CDRLOOP	LOOP K4490500
007840				23037	CDREND DS 0H	K4491000
007840	9500 D1D8	001D8		23038	CLI COMNULOP,0	DID WE DISPLAY ANYTHING K4491500
007844	4780 8056	07850		23039	BE CDRNREQ	IF NOT DISPLAY EMPTY K4492000
				23040	\$CRET ,	EXIT K4492500
007848				23041+	DS 0H	Z0006000
007848	41F0 0000	00000		23042+	LA R15,CORTNORM	NORMAL RETURN K0137000
00784C	47F0 C1AC	001AC		23043+	B CORET	RETURN K0137500
				23044	CDRNREQ \$CRET MSG='NO OPERATOR REQUESTS' SEND MSG	K4493000
007850				23045+	CDRNREQ DS 0H	Z0006000
007850	D213 D0B6 852E	000B6 07D28		23046+	MVC COMMAND(20),=C'NO OPERATOR REQUESTS'	K0131000
007856	4100 0014	00014		23047+	LA R0,20	SET LENGTH OF MSG IN R0 K0131500
00785A	41F0 0008	00008		23048+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
00785E	47F0 C1AC	001AC		23049+	B CORET	RETURN K0137500
007862	D200 D0BF 102F	000BF 0002F		23050	CDRMVC MVC COMMAND+L'CMBJOBID+1(*-*),CMBJOBID MOVE NORMAL TEXT	K4493500
				23051	DROP R1	K4494000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23053	*****	K4495000
				23054	*	* K4495100
				23055	* -----DISPLAY UNITS-----	* K4495200
				23056	*	* K4495300
				23057	*	* K4495400
				23058	* \$DU (,RDRS) (,RMTN (-N)) (,ACTIVE)	* K4495500
				23059	* (,PRTS) (,DEVICENAME) (,STARTED)	* K4495600
				23060	* (,PUNS) (,SHORT)	* K4495700
				23061	* (,LGNS)	* K4495800
				23062	* (,LNES) NOTE: ANY COMBINATION OF OPERANDS	* K4495900
				23063	* (,RDI) MAY BE USED.	* K4496000
				23064	* (,RMTS)	* K4496100
				23065	* (,ALL)	* K4496200
				23066	* (,TP)	* K4496300
				23067	*	* K4496400
				23068	**DISPLAY OPERANDS CONNECTED RMT	* K4496500
				23069	BREAKDOWN	* K4496600
				23070	RDRS---ALL LOCAL READERS ----- N/A	* K4496700
				23071	PRTS---ALL LOCAL PRINTERS ----- N/A	* K4496800
				23072	PUNS---ALL LOCAL PUNCHES ----- N/A	* K4496900
				23073	LGNS---ALL VTAM INTERFACES ----- NO	* K4497000
				23074	LNES---ALL TP LINES ----- YES	* K4497100
				23075	RDI----ALL INTERNAL READERS ----- N/A	* K4497200
				23076	RMTS---ALL REMOTES ----- YES	* K4497300
				23077	ALL----ALL LOCAL DEVICES AND INTERNAL READERS --- YES	* K4497400
				23078	TP-----ALL TP LNES AND VTAM INTERFACES ----- NO	* K4497500
				23079	*	* K4497600
				23080	**MODIFIER OPERANDS	* K4497700
				23081	*	* K4497800
				23082	ACTIVE---DISPLAY ONLY CONNECTED TP LINES OR ACTIVE DEVICES	* K4497900
				23083	STARTED--DISPLAY ONLY DEVICES WHICH ARE STARTED '\$S'	* K4498000
				23084	SHORT---ALL DISPLAYS IN NON-EXTENDED FORM	* K4498100
				23085	*	* K4498200
				23086	**NO DISPLAY OPERANDS --- DISPLAY OF ALL LOCAL DEVICES	* K4498300
				23087	IN SHORT FORM. ACTIVE OR STARTED	* K4498400
				23088	CAN BE USED WITHOUT OTHER OPERANDS	* K4498500
				23089	*	* K4498600
				23090	*****	K4498700
007868				23091	CDU DS OH \$DU COMMAND ENTRY POINT R4	K4505500
				23093	*****	K4506500
				23094	* PRE-PROCESS ALL OPERANDS	* K4507000
				23095	*****	K4507500
007868	4160	0000	00000	23096	LA WE,0 SET OFFSET INDEX ZERO R4	K4508000
00786C	4130	841A	07C14	23097	LA WB,CDUTABLE PICK UP TABLE ADDRESS R4	K4508500
007870	1957			23098	CR WD,WF CHECK FOR PLAIN \$DU R4	K4509000
007872	4780	80AE	078A8	23099	BE CDUFND YES, TREAT AS MATCH TABLE-ENTRY-0 R4	K4509500
007876	5060	5000	00000	23100	ST WE,0(,WD) IGNORE FIRST OPERAND R4	K4510000
00787A	4150	5004	00004	23101	LA WD,4(,WD) AND SKIP IT R4	K4510500
00787E	4160	0000	00000	23102	CDUFIND LA WE,0 SET OFFSET INDEX ZERO R4	K4511000
007882	4130	841A	07C14	23103	LA WB,CDUTABLE PICK UP TABLE ADDRESS R4	K4511500
007886	5810	5000	00000	23104	L R1,0(,WD) PICK UP OPERAND POINTER R4	K4512000
				23105	*****	K4512500
				23106	* SEARCH TABLE FOR NON-SPECIFIC OPERAND	* K4513000
				23107	*****	K4513500
00788A	4130	3010	00010	23108	CDUSRCH LA WB,CDUTBSZ(,WB) FIND NEXT TABLE ENTRY R4	K4514000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00788E	4160 6001	00001		23109	LA	WE,1(,WE)	INCREMENT OFFSET INDEX R4 K4514500
007892	5820 300C	0000C		23110	L	WA,CDUTBSET(,WB)	PICK UP SETUP INSTRUCTION R4 K4515000
007896	1222			23111	LTR	WA,WA	TEST FOR TABLE END R4 K4515500
007898	4780 8128	07922		23112	BZ	CDUNOFND	YES, BR- TRY SPECIFIC DCT R4 K4516000
00789C	4340 3002	00002		23113	IC	WC,CDUTBLEN(,WB)	PICK UP COMPARE LENGTH R4 K4516500
0078A0	4440 8122	0791C		23114	EX	WC,CDUCLC	COMPARE OPERAND R4 K4517000
0078A4	4770 8090	0788A		23115	BNE	CDUSRCH	NOT EQUAL, BR - TRY NEXT ENTRY R4 K4517500
0078A8	4400 300C	0000C		23116	CDUFND EX	0,CDUTBSET(,WB)	EXECUTE THE SETUP INSTRUCTION R4 K4518000
0078AC	1211			23117	CDUGO LTR	R1,R1	TEST FOR DCT ADDRESS R4 K4518500
0078AE	5010 5000	00000		23118	ST	R1,0(,WD)	STORE DCT ADDRESS OR ZERO R4 K4519000
0078B2	4780 80C4	078BE		23119	BZ	CDUERR	ZERO, COMPLETE OPERAND LOOP R4 K4519500
0078B6	4260 5000	00000		23120	CDUINDEX STC	WE,0(,WD)	STORE TABLE OFFSET R4 K4520000
0078BA	47F0 80C8	078C2		23121	B	CDUMDTST	SKIP ERROR FLAGGING R41 K4520500
0078BE	9640 D1DB	001DB		23122	CDUERR OI	CDUFLAG2,CDUFLERR	INDICATE SOME OPERANDS IN ERROR R4 K4521000
0078C2	9101 3000	00000		23123	CDUMDTST TM	CDUTBFL1(WB),CDUFLMOD	TEST OPERAND TYPE R41 K4521100
0078C6	4710 80D4	078CE		23124	BO	CDUNOTOP	BRANCH IF MODIFIER R41 K4521200
0078CA	9610 D1DB	001DB		23125	OI	CDUFLAG2,CDUFLOPR	SHOW ACTION OPERAND FOUND R41 K4521300
0078CE	4150 5004	00004		23126	CDUNOTOP LA	WD,4(,WD)	BUMP TO NEXT OPERAND R41 K4521500
0078D2	1557			23127	CLR	WD,WF	TEST FOR LAST OPERAND R4 K4522000
0078D4	47D0 8084	0787E		23128	BNH	CDUFIND	NO, PRE-PROCESS NEXT OPERAND R4 K4522500
				23130	*****		K4523500
				23131	*	DO DISPLAYS FOR ALL PRE-PROCESSED OPERANDS	* K4524000
				23132	*****		K4524500
0078D8	1F11			23133	SLR	R1,R1	CLEAR OPERAND VALUE R41 K4524600
0078DA	4150 D188	00188		23134	LA	WD,COMPNTER	RESTORE ADDRESS OF FIRST OPERAND R4 K4525000
0078DE	9110 D1DB	001DB		23135	TM	CDUFLAG2,CDUFLOPR	TEST FOR MODIFIER ONLY CASES R41 K4525100
0078E2	4710 80F4	078EE		23136	BO	CDUNEXT	BR IF ANY NON-MODIFIER OPERANDS R41 K4525200
0078E6	4400 8426	07C20		23137	EX	0,CDUTABLE+CDUTBSET	USE TABLE-ENTRY-0 SETUP INSTRCTN R41 K4525300
0078EA	5010 5000	00000		23138	ST	R1,0(,WD)	TO SIMULATE NULL OPERAND CASE R41 K4525400
0078EE	5810 5000	00000		23139	CDUNEXT L	R1,0(,WD)	PICK UP OPERAND R4 K4525500
0078F2	1211			23140	LTR	R1,R1	TEST FOR DUMMY OPERAND R4CK4526000
						(PRE-PROCESSED ERRORS)	R4 K4526500
0078F4	4780 83CA	07BC4		23141	BZ	CDULOOP	IGNORE - DO NEXT OPERAND R4 K4527000
0078F8	4110 1000	00000		23142	LA	R1,0(,R1)	PURIFY IT R4 K4527500
0078FC	1F33			23143	SLR	WB,WB	CLEAR OFFSET REGISTER R4 K4528000
0078FE	4330 5000	00000		23144	IC	WB,0(,WD)	PICK UP TABLE INDEX R4 K4528500
007902	4C30 8546	07D40		23145	MH	WB,=AL2(CDUTBSZ)	COMPUTE TRUE OFFSET R4 K4529000
007906	4133 841A	07C14		23146	LA	WB,CDUTABLE(WB)	PICK UP TABLE ENTRY ADDRESS R4 K4529500
00790A	D201 D1D8 3000	001D8 00000		23147	MVC	CDUFLAG1(2),CDUTBFL1(WB)	COPY FLAGS AND DEVICE TYPE R41 K4530000
007910	D200 D1DA 3003	001DA 00003		23148	MVC	CDUMASK(1),CDUTBMSK(WB)	TO PROCESSOR WORK AREA R41 K4530500
007916	5820 3008	00008		23149	L	WA,CDUTBRTN(,WB)	PICK UP DISPLAY ROUTINE ADDRESS R4 K4531000
00791A	07F2			23150	BR	WA	EXECUTE DISPLAY ROUTINE R4 K4531500
00791C	D500 3004 1000	00004 00000		23152	CDUCLC CLC	CDUTBKEY(*-*,WB),0(R1) **** EXECUTED ****	R4 K4532500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23155	*****	K4534000
				23156	* OPERAND = SPECIFIC DCT NAME *	K4534500
				23157	*****	K4535000
				23158	CDUNOFND \$CFDCTL POINTER=(WD) TRY TO LOCATE THE DEVICE BY NAME R4	K4535500
007922	1815			23159+	CDUNOFND LR R1,WD	CJ018000
007924	45E0 C4CC	004CC		23160+	BAL LINK,COFDCTL LOCATE DCT	K0524000
007928	1211			23161	LTR R1,R1 TEST RETURNED DCT ADDRESS R4	K4536000
00792A	4720 80B2	078AC		23162	BP CDUGO VALID, BR - STORE DCT ADDRESS R4	K4536500
00792E	1F11			23163	SLR R1,R1 FORCE ZERO R4	K4537000
007930	47F0 80B2	078AC		23164	B CDUGO COMPLETE DUMMY OPERAND R4	K4537500
				23166	*****	K4538500
				23167	* OPERAND IS 'RMTS' *	K4539000
				23168	*****	K4539500
007934	4110 0001	00001		23169	CDURMALL LA R1,1 SET FIRST RMT TO DISPLAY TO 1 R4	K4540000
007938	4800 B5E8	005E8		23170	LH R0,\$NUMRJE SET LAST RMT TO DISPLAY TO MAX R4	K4540500
00793C	1200			23171	LTR R0,R0 CHECK FOR REMOTES R41	K4540600
00793E	4780 817C	07976		23172	BZ CDURERR BR IF NONE R41	K4540700
007942	47F0 816C	07966		23173	B CDURMT GO COMPLETE PRE-PROCESSING RMT R4	K4541000
				23175	*****	K4542000
				23176	* OPERAND IS RMTNNN(-NNN) *	K4542500
				23177	*****	K4543000
				23178	CDURMTS \$CFCVB POINTER=(WD),NOK=CDURERR CONVERT OPERAND R4	K4543500
007946				23179+	CDURMTS DS 0H	Z0006000
007946	1815			23180+	LR R1,WD	CJ018000
007948	45E0 C456	00456		23181+	BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
00794C	47F0 817C	07976		23182+	B CDURERR BRANCH IF OPERAND INVALID	K0196500
007950	4120 0000	00000		23183	LA WA,0 CLEAR THE R4	K4544000
007954	5020 5000	00000		23184	ST WA,0(,WD) THE OPERAND R4	K4544500
007958	1211			23185	LTR R1,R1 TEST LOW REMOTE NUMBER VALIDITY R4	K4545000
00795A	47D0 817C	07976		23186	BNP CDURERR BR IF INVALID R41	K4545500
00795E	4900 B5E8	005E8		23187	CH R0,\$NUMRJE TEST HIGH REMOTE NUMBER VALIDITY R4	K4546000
007962	4720 817C	07976		23188	BH CDURERR BR IF INVALID R41	K4546500
007966	0600			23189	CDURMT BCTR R0,0 DECREMENT LOW AND R4	K4547000
007968	0610			23190	BCTR R1,0 HIGH REMOTE NUMBERS R4	K4547500
00796A	4205 0002	00002		23191	STC R0,2(WD) STORE REMOTE R4	K4548000
00796E	4215 0001	00001		23192	STC R1,1(WD) RANGE IN OPERAND R4	K4548500
007972	47F0 80BC	078B6		23193	B CDUINDEX GO FINISH OPERAND LOOP R4	K4549000
007976	1F11			23195	CDURERR SLR R1,R1 INDICATE NO DEVICE LOCATED R4	K4550000
007978	47F0 80B2	078AC		23196	B CDUGO FLAG ERROR - DO NEXT OPERAND R4	K4550500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23198	*****	K4551500
				23199	* DISPLAY ONE OR MORE REMOTES (VIA RAT)	* K4552000
				23200	*****	K4552500
00797C	1F44			23201	CDUREMOT SLR WC,WC CLEAR FIRST AND	R4 K4553000
00797E	1F66			23202	SLR WE,WE LAST REMOTE INDICES	R4 K4553500
007980	4340 5001	00001		23203	IC WC,1(,WD) PICK UP FIRST REMOTE DISPLAY	R4 K4554000
007984	4360 5002	00002		23204	IC WE,2(,WD) PICK UP LAST REMOTE TO DISPLAY	R4 K4554500
007988	4C40 8548	07D42		23205	MH WC,=AL2(RATTLE) COMPUTE RAT	R4 K4555000
00798C	4C60 8548	07D42		23206	MH WE,=AL2(RATTLE) OFFSETS	R4 K4555500
007990	5810 B1F0	001F0		23207	L R1,\$RATABLE COMPUTE	R4 K4556000
007994	4144 1000	00000		23208	LA WC,0(WC,R1) HIGH AND LOW	R4 K4556500
007998	4166 1000	00000		23209	LA WE,0(WE,R1) RAT ADDRESS	R4 K4557000
00799C	1814			23210	LR R1,WC COPY FIRST RAT ADDRESS	R4 K4557500
00799E	47F0 8364	07B5E		23211	B CDURMGRP GO DISPLAY RMT GROUP	R4 K4558000
				23213	*****	K4559000
				23214	* GENERAL DCT DISPLAY ROUTINE	* K4559500
				23215	*****	K4560000
0079A2	4110 1000	00000		23216	CDUSPLAY LA R1,0(,R1) PURIFY DCT ADDRESS	R41 K4560100
0079A6	9108 D1DB	001DB		23217	TM CDUFLAG2,CDUFLACT TEST FOR ACTION MODIFIER	R41 K4560200
0079AA	47E0 81CA	079C4		23218	BNO CDUSTEST BRANCH IF NOT SPECIFIED	R41 K4560300
0079AE	9502 1011	00011		23219	CLI DCTDEVTP-DCTDSECT(R1),DCTLNE TEST DEVICE TYPE	R41 K4560400
0079B2	4770 81DA	079D4		23220	BNE CDUZINUS IF NOT LNE, GO TEST IN USE	R41 K4560500
0079B6	D603 1044 1044	00044 00044		23221	OC MDCTRAT-DCTDSECT(4,R1),MDCTRAT-DCTDSECT(R1) TEST	R41CK4560600
					LINE CONNECTION	R41 K4560700
0079BC	4780 831C	07B16		23222	BZ CDURSUB IF NOT CONNECTED, SKIP DISPLAY	R41 K4560800
0079C0	47F0 81E2	079DC		23223	B CDUSHTST ELSE GO DO DISPLAY	R41 K4560900
0079C4	9104 D1DB	001DB		23224	CDUSTEST TM CDUFLAG2,CDUFLSTR TEST FOR STARTED MODIFIER	R41 K4561000
0079C8	47E0 81E2	079DC		23225	BNO CDUSHTST BRANCH IF NOT - DO DISPLAY	R41 K4561100
0079CC	9140 1000	00000		23226	TM DCTSTAT-DCTDSECT(R1),DCTDRAIN TEST DEVICE STATUS	R41 K4561200
0079D0	47E0 81E2	079DC		23227	BNO CDUSHTST NOT DRAINED - GO DO DISPLAY	R41 K4561300
0079D4	9180 1000	00000		23228	CDUZINUS TM DCTSTAT-DCTDSECT(R1),DCTINUSE TEST DEVICE STATUS	R41 K4561400
0079D8	47E0 831C	07B16		23229	BNO CDURSUB BRANCH IF NOT IN USE, SKIP DSPLY	R41 K4561500
0079DC	9102 D1DB	001DB		23230	CDUSHTST TM CDUFLAG2,CDUFLSHT TEST FOR SHORT MODIFIER	R41 K4561600
0079E0	4710 81F6	079F0		23231	BO CDUDSPL FORCE NON-EXTENDED DSPLY IF ON	R41 K4561700
0079E4	9108 D1D8	001D8		23232	TM CDUFLAG1,CDUFLNEX TEST FOR EXTENED REQUEST	R41 K4561800
0079E8	4710 81F6	079F0		23233	BO CDUDSPL IF NO EXTENED REQD, GO DSPLY	R41 K4561900
0079EC	BF18 856A	07D64		23234	ICM R1,8,=X'0F' SET HI ORDER FOR EXTENDED DISP	R41 K4562000
0079F0	9104 D1D8	001D8		23235	CDUDSPL TM CDUFLAG1,CDUFLCLS TEST FOR CLASS CHECK REQUESTED	R41 K4562100
0079F4	47E0 820E	07A08		23236	BNO CDUDCTD NO CHECK, BR - GO DSPLY	R41 K4562200
0079F8	4320 D1D9	001D9		23237	IC WA,CDUDEVTP PICK UP DEVICE CLASS	R41 K4562300
0079FC	4420 8410	07C0A		23238	EX WA,CDUTM TEST DEVICE CLASS	R41 K4562400
007A00	4320 D1DA	001DA		23239	IC WA,CDUMASK PICK UP BRANCH MASK	R41 K4562500
007A04	4420 8414	07C0E		23240	EX WA,CDUBRNCH EXECUTE BRANCH INSTRUCTION	R41 K4562600
				23241	CDUDCTD \$CFDCTD EXT=SET DISPLAY THE DCT	R41 K4562700
007A08				23242+	CDUDCTD DS 0H	Z0006000
007A08	5880 8542	07D3C		23243+	L BASE3,=A(COFDCTD) GET ADDRESS OF DCT DISPLAY RTN	R4 K0259000
007A0C	0528			23244+	BALR WA,BASE3 CALL DISPLAY ROUTINE	R4 K0259500
007A0E	0214			23245+	DC Y(*-HASPCMS1) ADDRESSABILITY ADJUSTMENT	R4 K0260000
007A10	9620 D1DB	001DB		23246	OI CDUFLAG2,CDUFLFND SHOW SOMETHING DISPLAYED	R41 K4562800

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23248	*****	K4564000
				23249	* SNA LUNAME SUB-DISPLAY ROUTINE *	K4564500
				23250	*****	K4565000
007A14	9102 D1D8	001D8		23251	TM CDUFLAG1,CDUFLLU TEST FOR LUNAME SUB-DISPLAY REQD	R4 K4565500
007A18	47E0 831C	07B16		23252	BNO CDURSUB NO, BR - CONTINUE CURRENT DISPLAY	R4 K4566000
007A1C	9506 1011	00011		23253	CLI DCTDEVTP-DCTDSECT(R1),DCTLOG TEST - LOGON DCT @OZ38617	R4 K4566500
007A20	4780 823A	07A34		23254	BE CDULOGLU YES, SKIP OTHER TESTS - DSPLY LUS	R4 K4567000
007A24	9102 1011	00011		23255	TM DCTDEVTP-DCTDSECT(R1),DCTRJE TEST FOR RJE DCT	R4 K4567500
007A28	47E0 831C	07B16		23256	BNO CDURSUB NO, BR - CONTINUE CURRENT DISPLAY	R4 K4568000
007A2C	9180 102D	0002D		23257	TM MDCTTYPE-DCTDSECT(R1),DCTPSNA TEST FOR SNA DEVICES	R4 K4568500
007A30	47E0 831C	07B16		23258	BNO CDURSUB NO, BR- CONTINUE CURRENT DISPLAY	R4 K4569000
007A34	5830 1024	00024		23259	CDULOGLU L WB,MDCTICE-DCTDSECT(,R1) GET ASSOC. ICE ADDR FROM DCT	R4 K4569500
007A38	1233			23260	LTR WB,WB TEST FOR ANY SESSION PRESENT	R4 K4570000
007A3A	4780 831C	07B16		23261	BZ CDURSUB NO, BR- CONTINUE CURRENT DISPLAY	R4 K4570500
007A3E	9240 D0B6	000B6		23262	MVI COMMAND,C' ' CLEAR THE	R4 K4571000
007A42	D2C6 D0B7 D0B6	000B7 000B6		23263	MVC COMMAND+1(L'COMMAND-1),COMMAND MESSAGE AREA	R4 K4571500
007A48	D20D D0CD 854A	000CD 07D44		23264	MVC COMMAND+23(14),=CL14'SESSION(S) -' MOVE IN HEADING	R4 K4572000
007A4E	4120 D0DB	000DB		23265	CDULUOOP LA WA,COMMAND+23+14 INDENT LUNAME DISPLAY	R4 K4572500
007A52	D207 2000 3008	00000 00008		23266	MVC 0(L'ICESYMB,WA),ICESYMB-ICEDSECT(WB) MOVE IN LUNAME	R4 K4573000
007A58	4120 2009	00009		23267	LA WA,L'ICESYMB+1(,WA) BUMP PAST SNA LUNAME	R4 K4573500
007A5C	9120 1011	00011		23268	TM DCTDEVTP-DCTDSECT(R1),DCTPRPU TEST FOR REMOTE DEVICES	R4 K4574000
007A60	47E0 827C	07A76		23269	BNO CDULUALC NO, BR--GO TEST FOR ALLOCATION	R4 K4574500
007A64	9101 102F	0002F		23270	TM MDCTSTAT-DCTDSECT(R1),DCTPSUSP CHK FOR SUSPNDED SESN	R4 K4575000
007A68	47E0 827C	07A76		23271	BNO CDULUALC NO, BR--TRY OTHER STATES	R4 K4575500
007A6C	D208 2000 856B	00000 07D65		23272	MVC 0(9,WA),=CL9'SUSPENDED' SHOW SESSION SUSPENDED	R4 K4576000
007A72	47F0 82E0	07ADA		23273	B CDULUDSP GO DISPLAY SUSPENDED SESSION	R4 K4576500
007A76	D208 2000 8574	00000 07D6E		23274	CDULUALC MVC 0(9,WA),=CL9'INACTIVE' ASSUME SESSION INACTIVE	R4 K4577000
007A7C	9140 3000	00000		23275	TM ICESSTAT-ICEDSECT(WB),ICEALLOC TEST ASSUMPTION	R4 K4577500
007A80	4780 82AA	07AA4		23276	BZ CDULUCLO INACTIVE, BR--GO TEST FOR CLOSING	R4 K4578000
007A84	9502 1011	00011		23277	CLI DCTDEVTP-DCTDSECT(R1),DCTLNE TEST FOR LINE SUB DSPLY	R4 K4578500
007A88	4780 82FE	07AF8		23278	BE CDULUNX YES, BR--SKIP ACTIVE SESSIONS	R4 K4579000
007A8C	D208 2000 857D	00000 07D77		23279	MVC 0(9,WA),=CL9'ACTIVE' SHOW SESSION ACTIVE	R4 K4579500
007A92	9180 3000	00000		23280	TM ICESSTAT-ICEDSECT(WB),ICEDRAIN TEST FOR DRAINING	R4 K4580000
007A96	4780 82B8	07AB2		23281	BZ CDULULOG NO, SKIP	R4 K4580500
007A9A	D208 2000 8586	00000 07D80		23282	MVC 0(9,WA),=CL9'DRAINING' SHOW SESSION DRAINING	R4 K4581000
007AA0	47F0 82B8	07AB2		23283	B CDULULOG GO TEST FOR TAGGING AND DISPLAY	R4 K4581500
007AA4	9101 3000	00000		23284	CDULUCLO TM ICESSTAT-ICEDSECT(WB),ICECLOSE TEST FOR CLOSING	R4 K4582000
007AA8	47E0 82B8	07AB2		23285	BNO CDULULOG NO, BR--GO TEST TAGGING AND DSPLY	R4 K4582500
007AAC	D208 2000 858F	00000 07D89		23286	MVC 0(9,WA),=CL9'CLOSING' SHOW SESSION CLOSING	R4 K4583000
007AB2	4120 200A	0000A		23287	CDULULOG LA WA,10(,WA) MOVE PAST STATUS INDICATION	R4 K4583500
007AB6	9506 1011	00011		23288	CLI DCTDEVTP-DCTDSECT(R1),DCTLOG TEST FOR LOGON DCT DSPLY	R4 K4584000
007ABA	4770 82E0	07ADA		23289	BNE CDULUDSP NO, BR--NO TAGGING REQD	R4 K4584500
007ABE	1801			23290	LR R0,R1 SAVE LOGON DCT ADDRESS	R4 K4585000
007AC0	5810 3044	00044		23291	L R1,ICELDCT-ICEDSECT(,WB) PICK UP ASSOC LINE DCT ADDR	R4 K4585500
007AC4	1211			23292	LTR R1,R1 TEST FOR LINE DCT PRESENT	R4 K4586000
007AC6	4780 82DE	07AD8		23293	BZ CDULUTGD NO, BR--NO TAGGING REQD	R4 K4586500
007ACA	924D 2000	00000		23294	MVI 0(WA),C'(' INSERT OPEN PAREN INTO MSG	R4 K4587000
007ACE	D207 2001 1018	00001 00018		23295	MVC 1(L'DCTDEVN,WA),DCTDEVN-DCTDSECT(R1) PUT LINE ID INTO MESSAGE	R4CK4587500
007AD4	925D 2009	00009		23296	MVI 9(WA),C')' CLOSE THE PAREN	R4 K4588500
007AD8	1810			23297	CDULUTGD LR R1,R0 RELOAD THE LOGON DCT ADDRESS	R4 K4589000
007ADA	9012 D090	00090		23298	CDULUDSP STM R1,WA,COMDWORK SAVE REGISTERS ACROSS WTO	R4 K4589500
				23299	\$CWTO L=66 DISPLAY LUNAME MESSAGE	R4 K4590000
007ADE				23300+	DS 0H	Z0006000
007ADE	4100 0042	00042		23301+	LA R0,66	K0154000
007AE2	4520 C07A	0007A		23302+	BAL WA,CWTO REPLY TO OPERATOR	K0161500

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007AE6	9812 D090	00090		23303	LM	R1,WA,COMDWORK RELOAD REGISTERS	R4 K4590500
007AEA	D2B1 D0CD D0CC	000CD	000CC	23304	MVC	COMMAND+23(L'COMMAND-22),COMMAND+22 BLANK USED AREA	R4 K4591000
007AF0	9170 1011	00011		23305	CDULUNXT TM	DCTDEVTP-DCTDSECT(R1),DCTDEV TEST FOR RJE DEVICES	R41 K4591500
007AF4	4770 831C	07B16		23306	BNZ	CDURSUB YES, BR--NO CHAINING NEEDED	R41 K4592000
007AF8	4130 3014	00014		23307	CDULUNX LA	WB,ICEAPCHN-ICEDSECT(,WB) ASSUME LOGON DCT CHAIN USED	R4 K4592500
007AFC	9506 1011	00011		23308	CLI	DCTDEVTP-DCTDSECT(R1),DCTLOG TEST ASSUMPTION	R4 K4593000
007B00	4780 830E	07B08		23309	BE	CDULUCHN NO, BR--CHAIN TO NEXT ICE	R4 K4593500
007B04	4130 3004	00004		23310	LA	WB,(ICEALCHN-ICEAPCHN)(,WB) BUMP TO LNE DCT CHN FLD	R4 K4594000
007B08	5830 3000	00000		23311	CDULUCHN L	WB,0(,WB) PICK UP NEXT ICE ADDRESS	R4 K4594500
007B0C	4130 3000	00000		23312	LA	WB,0(,WB) PURIFY ADDRESS	R4 K4595000
007B10	1233			23313	LTR	WB,WB TEST FOR END OF CHAIN	R4 K4595500
007B12	4770 8254	07A4E		23314	BNZ	CDULUOOP NO, BR--CONTINUE ICE SUB DSPLY	R4 K4596000
				23316		***** K4597500	
				23317	*	REMOTE SUB-DISPLAY CODE * K4598000	
				23318		***** K4598500	
007B16	9120 D1D8	001D8		23319	CDURSUB TM	CDUFLAG1,CDUFLRMT TEST FOR REMOTE-SUB DISPLAY REQD	R4 K4599000
007B1A	47E0 834A	07B44		23320	BNO	CDUGRPLP NO, BR CONTINUE MAIN LOOP	R4 K4599500
007B1E	9180 D1DB	001DB		23321	TM	CDUFLAG2,CDUFLSUB ARE WE IN RMT SUB-DISPLAY LOOP	R4 K4600000
007B22	4770 833A	07B34		23322	BNZ	CDUSUB YES, CONTINUE SUB-DISPLAY	R4 K4600500
007B26	9502 1011	00011		23323	CLI	DCTDEVTP-DCTDSECT(R1),DCTLNE TEST FOR LINE DCT	R4 K4601000
007B2A	4770 834A	07B44		23324	BNE	CDUGRPLP NO, CONTINUE MAIN LOOP	R4 K4601500
007B2E	9680 D1DB	001DB		23325	OI	CDUFLAG2,CDUFLSUB SET SUB-DISPLAY IN PROGRESS	R4 K4602000
007B32	1841			23326	LR	WC,R1 SAVE LINE DCT POINTER	R4 K4602500
007B34	5810 1028	00028		23327	CDUSUB L	R1,MDCTDCT-DCTDSECT(,R1) PICK UP NEXT RMT DCT	R4 K4603000
007B38	1211			23328	LTR	R1,R1 TEST FOR REMOTE DCT PRESENT	R4 K4603500
007B3A	4770 81A8	079A2		23329	BNZ	CDUSPLAY YES, BR - GO DISPLAY REMOTE DCT	R4 K4604000
007B3E	947F D1DB	001DB		23330	NI	CDUFLAG2,255-CDUFLSUB SHOW OUT OF REMOTE LOOP	R4 K4604500
007B42	1814			23331	LR	R1,WC RESTORE LINE DCT/RAT POINTER	R4 K4605000
				23333		***** K4606000	
				23334	*	GROUP DCT DISPLAY TERMINATION CODE * K4606500	
				23335		***** K4607000	
007B44	9180 D1D8	001D8		23336	CDUGRPLP TM	CDUFLAG1,CDUFLGRP IS THIS A GROUP DISPLAY	R4 K4607500
007B48	4780 83CA	07BC4		23337	BZ	CDULOOP NO, BR - THEN GO DO NEXT OPERAND	R4 K4608000
007B4C	9110 D1D8	001D8		23338	TM	CDUFLAG1,CDUFLRAT TEST FOR RAT BASED GROUP	R4 K4608500
007B50	47E0 83A8	07BA2		23339	BNO	CDUGROUP NO, BR- PROCESS NORMAL DCT CHAIN	R4 K4609000
007B54	4140 1038	00038		23340	CDUGRPL1 LA	WC,RATTLE(,R1) LOCATE AND SAVE NEXT RAT ENTRY	R41 K4609500
007B58	1546			23341	CLR	WC,WE TEST FOR END OF RAT (RMT) GROUP	R4 K4610000
007B5A	4720 83CA	07BC4		23342	BH	CDULOOP YES, BR- GO DO NEXT OPERAND	R4 K4610500
007B5E	9680 D1DB	001DB		23343	CDURMGRP OI	CDUFLAG2,CDUFLSUB SHOW BACK IN REMOTE SUB-DISPLAY	R4 K4611000
007B62	9108 D1DB	001DB		23344	TM	CDUFLAG2,CDUFLACT TEST FOR ACTION MODIFIER	R41 K4611100
007B66	47E0 8380	07B7A		23345	BNO	CDURMGP1 BRANCH IF NOT SPECIFIED	R41 K4611200
007B6A	5810 400C	0000C		23346	L	R1,RATLDCT-RATDSECT(,WC) GET LINE DCT ADDRESS	R41 K4611300
007B6E	4110 1000	00000		23347	LA	R1,0(,R1) PURIFY ADDRESS	R41 K4611400
007B72	1211			23348	LTR	R1,R1 TEST FOR LINE DCT PRESENT	R41 K4611500
007B74	1814			23349	LR	R1,WC RESET R1 TO RAT ADDR FOR BRANCH	R41 K4611600
007B76	4780 835A	07B54		23350	BZ	CDUGRPL1 BRANCH IF NO LINE DCT	R41 K4611700
007B7A	1114			23351	CDURMGP1 LNR	R1,WC LOAD -RAT FOR RAT DISPLAY	R41 K4611800
				23352		SCFDCTD EXT=SET DISPLAY RAT INFO	R41 K4611900
007B7C	5880 8542	07D3C		23353+	L	BASE3,=A(COFDCTD) GET ADDRESS OF DCT DISPLAY RTN	R4 K0259000
007B80	0528			23354+	BALR	WA,BASE3 CALL DISPLAY ROUTINE	R4 K0259500
007B82	0388			23355+	DC	Y(*-HASPCMS1) ADDRESSABILITY ADJUSTMENT	R4 K0260000
007B84	5810 400C	0000C		23356	L	R1,RATLDCT-RATDSECT(,WC) GET LINE DCT ADDRESS	R4 K4612000
007B88	4110 1000	00000		23357	LA	R1,0(,R1) PURIFY ADDRESS	R4 K4612100
007B8C	1211			23358	LTR	R1,R1 TEST FOR LINE DCT PRESENT	R4 K4612500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
007B8E	4780 83A0	07B9A		23359	BZ	SKIP290 NO, BR-- GO DISPLAY REMOTE	R4 K4613000
007B92	5540 1044	00044		23360	CL	WC,MDCTRAT-DCTDSECT(,R1) TEST FOR RMT SIGNED ON LINE	R4 K4613500
007B96	4780 81A8	079A2		23361	BE	CDUSPLAY YES, BR--GO DISPLAY RMT AND LINE	R4 K4614000
007B9A	5810 4008	00008		23362	SKIP290 L	R1,RATRDCT-RATDSECT(,WC) GET FIRST REMOTE DCT ADDRESS	R4 K4614500
007B9E	47F0 81A8	079A2		23363	B	CDUSPLAY DISPLAY ONLY REMOTE	R4 K4615000
007BA2	5810 1014	00014		23364	CDUGROUP L	R1,DCTCHAIN-DCTDSECT(,R1) GO FIND NEXT DCT	R4 K4615500
007BA6	4110 1000	00000		23365	LA	R1,0(,R1) PURIFY ADDRESS	R4 K4616000
007BAA	1211			23366	LTR	R1,R1 TEST FOR END OF THE DCT CHAIN	R4 K4616500
007BAC	4780 83CA	07BC4		23367	BZ	CDULOOP YES, BR- DO NEXT OPERAND	R4 K4617000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23370	*****	K4620500
				23371	* DCT TYPE-GROUP DISPLAY TERMINATION *	K4621000
				23372	*****	K4621500
007BB0	91C0 D1D8	001D8		23373	CDUNOCLS TM CDUFLAG1,CDUFLTYP IS THIS A TYPE-GROUP DISPLAY R4	K4622000
007BB4	47E0 81A8	079A2		23374	BNO CDUSPLAY NO, BR- NO CHECK - GO DISPLAY DCT R4	K4622500
007BB8	4300 D1D9	001D9		23375	IC R0,CDUDEVTP PICK UP DCT TYPE FOR COMPARE R4	K4623000
007BBC	BD01 1011	00011		23376	CLM R0,1,DCTDEVTP-DCTDSECT(R1) COMPARE FOR TERMINATION R4	K4623500
007BC0	4780 81A8	079A2		23377	BE CDUSPLAY EQUAL - CONTINUE DISPLAY LOOP R4	K4624000
				23379	*****	K4625000
				23380	* MAIN DISPLAY LOOP *	K4625500
				23381	*****	K4626000
007BC4	4150 5004	00004		23382	CDULOOP LA WD,4(,WD) MOVE TO NEXT OPERAND POINTER R4	K4626500
007BC8	1957			23383	CR WD,WF TEST FOR END OF OPERANDS R4	K4627000
007BCA	47D0 80F4	078EE		23384	BNH CDUNEXT NO, CONTINUE WITH NEW OPERAND R4	K4627500
				23386	*****	K4628500
				23387	* DISPLAY UNIT EXIT *	K4629000
				23388	*****	K4629500
007BCE				23389	CDUEXIT DS 0H R4	K4630000
007BCE	9140 D1DB	001DB		23390	TM CDUFLAG2,CDUFLERR WERE ANY ERRORS ENCOUNTERED R4	K4630500
007BD2	4780 83EE	07BE8		23391	BZ CDUEXITC NO, BR - JUST EXIT R4	K4631000
				23392	\$CRET MSG='INVALID OPERAND(S) DETECTED' R4	K4631500
007BD6				23393+	DS 0H Z0006000	
007BD6	D21A D0B6 8598	000B6	07D92	23394+	MVC COMMAND(27),=C'INVALID OPERAND(S) DETECTED' K0131000	
007BDC	4100 001B	0001B		23395+	LA R0,27 SET LENGTH OF MSG IN R0 K0131500	
007BE0	41F0 0008	00008		23396+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE K0133000	
007BE4	47F0 C1AC	001AC		23397+	B CORET RETURN K0137500	
007BE8	9120 D1DB	001DB		23398	CDUEXITC TM CDUFLAG2,CDUFLFND TEST DISPLAY STATUS R41	K4632000
007BEC	4710 8408	07C02		23399	BO CDUEXITN BRANCH IF DISPLAY DONE R41	K4632100
				23400	\$CRET MSG='NO DEVICE(S) FOUND' SHOW NO DEVICES DISPLAYED R41	K4632200
007BF0				23401+	DS 0H Z0006000	
007BF0	D211 D0B6 8558	000B6	07D52	23402+	MVC COMMAND(18),=C'NO DEVICE(S) FOUND' K0131000	
007BF6	4100 0012	00012		23403+	LA R0,18 SET LENGTH OF MSG IN R0 K0131500	
007BFA	41F0 0008	00008		23404+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE K0133000	
007BFE	47F0 C1AC	001AC		23405+	B CORET RETURN K0137500	
				23406	CDUEXITN \$CRET , NORMAL RETURN R41	K4632300
007C02				23407+	CDUEXITN DS 0H Z0006000	
007C02	41F0 0000	00000		23408+	LA R15,CORTNORM NORMAL RETURN K0137000	
007C06	47F0 C1AC	001AC		23409+	B CORET RETURN K0137500	
007C0A	9100 1011	00011		23411	CDUTM TM DCTDEVTP-DCTDSECT(R1),*- * EXECUTED * * R4	K4633000
007C0E	4700 831C	07B16		23412	CDUBRNCH NOP CDURSUB * * * EXECUTED * * R41	K4633100

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		
				23414	*****		K4634000
				23415	* DISPLAY UNIT FLAG DEFINITONS		* K4634500
				23416	*****		K4635000
001D8				23417	CDUFLAG1 EQU COMNULOP CDUFLAG1 DEFINITION	R4	K4635500
00000		23419		CDUFLONE EQU B'00000000'	SINGLE DCT DISPLAY REQUEST	R4	K4636500
00080		23420		CDUFLGRP EQU B'10000000'	GROUP DISPLAY REQUEST	R4	K4637000
000C0		23421		CDUFLTYP EQU B'11000000'	TYPE-GROUP DISPLAY REQUEST	R4	K4637500
00020		23422		CDUFLRMT EQU B'00100000'	REMOTE SUB-DISPLAY REQUEST	R4	K4638000
00010		23423		CDUFLRAT EQU B'00010000'	RAT BASED DISPLAY REQUEST	R4	K4638500
00008		23424		CDUFLNEX EQU B'00001000'	NO EXTEND DISPLAY REQUIRED	R4	K4639000
00004		23425		CDUFLCLS EQU B'00000100'	DCT CLASS SKIP REQUESTED	R4	K4639500
00002		23426		CDUFLLU EQU B'00000010'	SNA LUNAME SUBDISPLAY REQD	R4	K4640500
00001		23427		CDUFLMOD EQU B'00000001'	MODIFIER OPERAND ONLY	R41	K4640600
001D9		23429		CDUDEVTP EQU COMNULOP+1	TYPE-GROUP DCT TYPE	R4	K4642000
001DA		23431		CDUMASK EQU COMNULOP+2	BRANCH MASK VALUE	R41	K4642200
001DB		23433		CDUFLAG2 EQU COMNULOP+3	CDUFLAG2 DEFINITION	R41	K4643000
00080		23435		CDUFLSUB EQU B'10000000'	RMT SUB-DSPLY IN PROGRESS	R4	K4644000
00040		23436		CDUFLERR EQU B'01000000'	INVALID OPERANDS DETECTED	R4	K4644500
00020		23437		CDUFLFND EQU B'00100000'	DEVICE FOUND IN DISPLAY	R41	K4644600
00010		23438		CDUFLOPR EQU B'00010000'	NON-MODIFIER OPERANDS FND	R41	K4644700
00008		23439		CDUFLACT EQU B'00001000'	ACTIVE ONLY MODIFIER	R41	K4644800
00004		23440		CDUFLSTR EQU B'00000100'	STARTED ONLY MODIFIER	R41	K4644900
00002		23441		CDUFLSHT EQU B'00000010'	SHORT MODIFIER	R41	K4645000
				23443	*****		K4645500
				23444	* DISPLAY UNIT OPERAND TABLE DEFINITON		* K4646000
				23445	*****		K4646500
00000		23446		CDUTBFL1 EQU 0	DISPLAY REQUEST FLAGS	R4	K4647000
00001		23447		CDUTBTYP EQU 1	DEVICE TYPE VALUE	R4	K4647500
00002		23448		CDUTBLEN EQU 2	COMPARE LENGTH FOR OPERAND CHECK	R4	K4648000
00003		23449		CDUTBMSK EQU 3	BRANCH MASK FOR CLASS CHECK	R41	K4648500
00004		23450		CDUTBKEY EQU 4	OPERAND KEYWORD VALUE	R4	K4649000
00008		23451		CDUTBRTN EQU 8	ADDRESS OF DISPLAY ROUTINE	R4	K4649500
0000C		23452		CDUTBSET EQU 12	PRE-PROCESSOR SETUP INSTRUCTION	R4	K4650000
00010		23453		CDUTBSZ EQU 16	OPERAND TABLE ELEMENT SIZE	R4	K4650500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23455	*****	K4651500
				23456	* DISPLAY UNIT OPERAND TABLE *	K4652000
				23457	*****	K4652500
007C14				23459	CDUTABLE DS 0F	R4 K4653500
007C14	8C1400			23461	DC AL1(CDUFLNEX+CDUFLGRP+CDUFLCLS),AL1(DCTINR),AL1(0)	R4 K4654500
007C17	10			23462	DC AL1(O*16)	R41 K4655000
007C18	D5E4D3D3			23463	DC CL4'NULL' PLAIN \$DU - DISPLAY ALL LOCAL	R4 K4655500
007C1C	000079A2			23464	DC A(CDUSPLAY) DEVICES (NON-EXTENDED FORM)	R4 K4656000
007C20	5810 B18C	0018C		23465	L R1,\$DCTPOOL	R4 K4656500
007C24	C0100300			23467	DC AL1(CDUFLTYP),AL1(DCTRDR),AL1(3),AL1(0)	R4 K4657500
007C28	D9C4D9E2			23468	DC CL4'RDRS' DISPLAY ALL LOCAL READERS	R4 K4658000
007C2C	000079A2			23469	DC A(CDUSPLAY)	R4 K4658500
007C30	5810 B190	00190		23470	L R1,\$RDRDCT	R4 K4659000
007C34	C0200300			23472	DC AL1(CDUFLTYP),AL1(DCTPRT),AL1(3),AL1(0)	R4 K4660000
007C38	D7D9E3E2			23473	DC CL4'PRTS' DISPLAY ALL LOCAL PRINTERS	R4 K4660500
007C3C	000079A2			23474	DC A(CDUSPLAY)	R4 K4661000
007C40	5810 B194	00194		23475	L R1,\$PRTDCT	R4 K4661500
007C44	C0300300			23477	DC AL1(CDUFLTYP),AL1(DCTPUN),AL1(3),AL1(0)	R4 K4662500
007C48	D7E4D5E2			23478	DC CL4'PUNS' DISPLAY ALL LOCAL PUNCHES	R4 K4663000
007C4C	000079A2			23479	DC A(CDUSPLAY)	R4 K4663500
007C50	5810 B198	00198		23480	L R1,\$PUNDCT	R4 K4664000
007C54	C0060300			23482	DC AL1(CDUFLTYP),AL1(DCTLOG),AL1(3),AL1(0)	R4 K4665500
007C58	D3C7D5E2			23483	DC CL4'LGNS' DISPLAY ALL LOGON DCTS	R4 K4666000
007C5C	000079A2			23484	DC A(CDUSPLAY)	R4 K4666500
007C60	5810 B1A0	001A0		23485	L R1,\$LOGNDCT	R4 K4667000
007C64	E0020300			23487	DC AL1(CDUFLTYP+CDUFLRMT),AL1(DCTLNE),AL1(3),AL1(0)	R4 K4668500
007C68	D3D5C5E2			23488	DC CL4'LNES' DISPLAY ALL LINES	R4 K4669000
007C6C	000079A2			23489	DC A(CDUSPLAY)	R4 K4669500
007C70	5810 B19C	0019C		23490	L R1,\$LNEDCT	R4 K4670000
007C74	22000300			23492	DC AL1(CDUFLONE+CDUFLRMT+CDUFLLU),AL1(0),AL1(3),AL1(0)	R4 K4671500
007C78	D3C9D5C5			23493	DC CL4'LINE' DISPLAY A LINE	R4 K4673500
007C7C	000079A2			23494	DC A(CDUSPLAY)	R4 K4674000
007C80	47F0 8128	07922		23495	B CDUNOFND	R4 K4674500
007C84	22000200			23497	DC AL1(CDUFLONE+CDUFLRMT+CDUFLLU),AL1(0),AL1(2),AL1(0)	R4 K4676000
007C88	D3D5C55C			23498	DC CL4'LNE*' DISPLAY A LINE	R4 K4678000
007C8C	000079A2			23499	DC A(CDUSPLAY)	R4 K4678500
007C90	47F0 8128	07922		23500	B CDUNOFND	R4 K4679000
007C94	80000200			23502	DC AL1(CDUFLGRP),AL1(0),AL1(2),AL1(0)	R4 K4680000
007C98	D9C4C95C			23503	DC CL4'RDI*' DISPLAY ALL INTERNAL READERS	R4 K4680500
007C9C	000079A2			23504	DC A(CDUSPLAY)	R4 K4681000
007CA0	5810 B1AC	001AC		23505	L R1,\$INRDCT	R4 K4681500
007CA4	80000200			23507	DC AL1(CDUFLGRP),AL1(0),AL1(2),AL1(0)	R4 K4682500
007CA8	C1D3D35C			23508	DC CL4'ALL*' DISPLAY ALL LOCAL DEVICES	R4 K4683000
007CAC	000079A2			23509	DC A(CDUSPLAY)	R4 K4683500
007CB0	5810 B18C	0018C		23510	L R1,\$DCTPOOL	R4 K4684000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
007CB4	B0000300			23512	DC	AL1(CDUFLGRP+CDUFLRAT+CDUFLRMT),AL1(0),AL1(3),AL1(0)	R4 K4685000
007CB8	D9D4E3E2			23513	DC	CL4'RMTS' DISPLAY ALL REMOTES	R4 K4685500
007CBC	0000797C			23514	DC	A(CDUREMOT)	R4 K4686000
007CC0	47F0 813A	07934		23515	B	CDURMALL	R4 K4686500
007CC4	B20002			23517	DC	AL1(CDUFLGRP+CDUFLRMT+CDUFLRAT+CDUFLLU),AL1(0),AL1(2)	R4 K4688000
007CC7	00			23518	DC	AL1(0)	R4 K4690000
007CC8	D9D4E35C			23519	DC	CL4'RMT*' DISPLAY ONE OR MORE REMOTES	R4 K4690500
007CCC	0000797C			23520	DC	A(CDUREMOT)	R4 K4691000
007CD0	47F0 814C	07946		23521	B	CDURMTS	R41 K4691100
007CD4	84020180			23523	DC	AL1(CDUFLGRP+CDUFLCLS),AL1(DCTLNE),AL1(1),AL1(Z*16)	R41 K4691300
007CD8	E3D75C5C			23524	DC	CL4'TP**' ALL TP	R41 K4691400
007CDC	000079A2			23525	DC	A(CDUSPLAY)	R41 K4691500
007CE0	5810 B18C	0018C		23526	L	R1,\$DCTPOOL	R41 K4691600
007CE4	01000200			23528	DC	AL1(CDUFLMOD),AL1(0),AL1(2),AL1(0)	R41 K4691800
007CE8	C1C3E35C			23529	DC	CL4'ACT*' ACTIVE ONLY MODIFIER	R41 K4691900
007CEC	00007BC4			23530	DC	A(CDULOOP)	R41 K4692000
007CF0	9608 D1DB	001DB		23531	OI	CDUFLAG2,CDUFLACT	R41 K4692100
007CF4	01000200			23533	DC	AL1(CDUFLMOD),AL1(0),AL1(2),AL1(0)	R41 K4692300
007CF8	E2E3C1D9			23534	DC	CL4'STAR' STARTED ONLY MODIFIER	R41 K4692400
007CFC	00007BC4			23535	DC	A(CDULOOP)	R41 K4692500
007D00	9604 D1DB	001DB		23536	OI	CDUFLAG2,CDUFLSTR	R41 K4692600
007D04	01000100			23538	DC	AL1(CDUFLMOD),AL1(0),AL1(1),AL1(0)	R41 K4692800
007D08	E2C8D6D9			23539	DC	CL4'SHOR' SHORT ONLY MODIFIER	R41 K4692900
007D0C	00007BC4			23540	DC	A(CDULOOP)	R41 K4693000
007D10	9602 D1DB	001DB		23541	OI	CDUFLAG2,CDUFLSHT	R41 K4693100
007D14	02000000			23543	DC	AL1(CDUFLONE+CDUFLLU),AL1(0),AL1(0),AL1(0)	R41 K4693300
007D18	5C5C5C5C			23544	DC	CL4'****' DISPLAY A SINGLE SPECIFIC DCT	R4 K4695000
007D1C	000079A2			23545	DC	A(CDUSPLAY)	R4 K4695500
007D20	00000000			23546	DC	A(0)	R4 K4696000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
007D28				23549	LTORG ,	R4 K4697500
007D28	D5D640D6D7C5D9C1			23550	=C'NO OPERATOR REQUESTS'	
007D3C	00000B60			23551	=A(COFDCTD)	
007D40	0010			23552	=AL2(CDUTBSZ)	
007D42	0038			23553	=AL2(RATTLE)	
007D44	E2C5E2E2C9D6D54D			23554	=CL14'SESSION(S) -'	
007D52	D5D640C4C5E5C9C3			23555	=C'NO DEVICE(S) FOUND'	
007D64	0F			23556	=X'0F'	
007D65	E2E4E2D7C5D5C4C5			23557	=CL9'SUSPENDED'	
007D6E	C9D5C1C3E3C9E5C5			23558	=CL9'INACTIVE'	
007D77	C1C3E3C9E5C54040			23559	=CL9'ACTIVE'	
007D80	C4D9C1C9D5C9D5C7			23560	=CL9'DRAINING'	
007D89	C3D3D6E2C9D5C740			23561	=CL9'CLOSING'	
007D92	C9D5E5C1D3C9C440			23562	=C'INVALID OPERAND(S) DETECTED'	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				23564	HASPCRM1 \$COMGRUP DM,R	REMOTE JOB ENTRY COMMANDS	K5431000
007DAE				23565+	HASPCRM1 DS 0H		K0088500
		07DAE		23566+	USING *,BASE3	ADDRESSABILITY	K0089000
007DAE	07F1			23567+	BR R1	GO TO SUB-PROCESSOR SELECTED	K0091000
				23568	*****		K5431500
				23569	*		* K5432000
				23570	*	\$D M LOC,TEXT -- DISPLAY MESSAGE AT LOCATION	* K5432500
				23571	*		* K5433000
				23572	*	\$ D M JOBID,TEXT -- DISPLAY MSG ON EXECUTING JOB'S LOG	* K5435600
				23573	*		* K5435700
				23574	*	\$ D M 'JOBNAME',TEXT -- DISPLAY MSG ON EXECUTING JOB'S LOG	* K5435800
				23575	*		* K5435900
				23576	*	LOC = R N-NN REMOTE NUMBER OR RANGE (0=LOCAL)	* K5436100
				23577	*	TEXT = MESSAGE TEXT	* K5440000
				23578	*		* K5440500
				23579	*****		K5441000
		00000		23580	USING JQEDSECT,R1		R4 K5441500
007DB0				23581	CDM DS 0H		R4 K5442000
007DB0	1F00			23582	SLR R0,R0	ZERO WORK	R4 K5442500
007DB2	5000 D1E0	001E0		23583	ST R0,CDMRRL	SET DEFAULT REMOTE	R4 K5445000
007DB6	5000 D1DC	001DC		23584	ST R0,CDMRRH	RANGE	R4 K5445500
007DBA	95D9 D0B9	000B9		23585	CLI COMOPRND+1,C'R'	REMOTE TRANSMISSION	R4 K5450500
007DBE	4780 8020	07DCE		23586	BE CDMCR	CONVERT REMOTE RANGE	R4 K5451000
007DC2	47F0 80FE	07EAC		23587	B CDMJ	GO TEST FOR '\$DMJ' COMMAND	R41 K5453400
007DC6	5810 5000	00000		23588	CDMERR L R1,0(0,WD)	POINT TO INVALID OPERAND	R4 K5453500
				23589	\$CFINVO OPERAND=(R1)	INVALID OPERAND	R4 K5454000
007DCA	47F0 C7A6	007A6		23590+	B COFINVO	REPLY INVALID OPERAND	K0636500
				23591	CDMCR \$CFCVB POINTER=(WD),NOK=CDMERR	CONVERT REMOTE RANGE	R4 K5481000
007DCE				23592+	CDMCR DS 0H		Z0006000
007DCE	1815			23593+	LR R1,WD		CJ018000
007DD0	45E0 C456	00456		23594+	BAL LINK,COFCVB	CONVERT NUMBERS TO BINARY	K0193500
007DD4	47F0 8018	07DC6		23595+	B CDMERR	BRANCH IF OPERAND INVALID	K0196500
007DD8	58E0 B150	00150		23596	L LINK,\$SSVT	POINT TO SSVT	R4 K5484500
007DDC	4900 E1A6	001A6		23597	CH R0,\$SVROUT-SSVT(,LINK)	ABOVE OUR LIMIT	R4 K5485000
007DE0	4720 8018	07DC6		23598	BH CDMERR	ERROR IF YES	R4 K5485500
007DE4	9001 D1DC	001DC		23599	CDMCSRR STM R0,R1,CDMRRH	SET HIGH/LOW RANGES	R4 K5486000
007DE8	9108 D07F	0007F		23600	CDMPM TM COMAUTH,COMR	IS SOURCE REMOTE RESTRICTED	R4 K5486500
007DEC	4710 804A	07DF8		23601	BO CDMPMA	NEGATE ANY RANGES IF YES	R4 K5487000
007DF0	9107 D07F	0007F		23602	TM COMAUTH,COMJ+COMD+COMS	DISPLAY ONLY	R4 K5487500
007DF4	47E0 8050	07DFE		23603	BNO CDMPMB	ALLOW RANGES IF NOT	R4 K5488000
007DF8				23604	CDMPMA DS 0H		R4 K5489000
007DF8	D203 D1E0 D1DC	001E0 001DC		23605	MVC CDMRRL,CDMRRH	FORCE SAME REMOTE	R4 K5491500
007DFE	8656 8018	07DC6		23606	CDMPMB BXH WD,WE,CDMERR	ANY TEXT	R4 K5492000
007E02	5820 5000	00000		23607	L WA,0(,WD)	POINT TO START	R4 K5492500
007E06	5830 5004	00004		23608	L WB,4(,WD)	POINT TO END + 2	R4 K5493000
007E0A	1F32			23609	SLR WB,WA	CALCULATE LENGTH	R4 K5493500
007E0C	0630			23610	BCTR WB,0	BACK UP TO FULL TEXT LENGTH	R4 K5494000
007E0E	0620			23611	BCTR WA,0	INCLUDE COMMA	R4 K5494500
007E10	4430 80E8	07E96		23612	EX WB,CDMTEXT	MOVE COMMA AND TEXT	R4 K5495000
007E14	4170 3005	00005		23613	LA WF,5(,WB)	SET FULL MESSAGE LENGTH	R4 K5495500
007E18	D206 D188 D070	00188 00070		23614	MVC COMPNTER(7),COMFLAG	COPY SOURCE INFO	R4 K5496000
				23615	\$CWTO MSG='OK',TRUNC=YES	TRUNCATE MLWTO	R4 K5496500
007E1E				23616+	DS 0H		Z0006000
007E1E	D201 D0B6 88C2	000B6 08670		23617+	MVC COMMAND(2),=C'OK'		K0164500
007E24	4100 0002	00002		23618+	LA R0,2	SET LENGTH OF MSG IN R0	K0165000
007E28	4520 C09A	0009A		23619+	BAL WA,CWTOT	REPLY TO OPERATOR	K0161500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
007E2C	1F00			23620	SLR R0,R0	ZERO WORK R4 K5497000
007E2E	4300 D18E	0018E		23621	IC R0,COMUCM-COMFLAG+COMPNTER	PICK UP CON OR RMT NUMBER R4 K5497500
007E32	D203 D0B6 8892	000B6	08640	23622	MVC COMMAND(4),=C'C 0'	SET FOR LOGICAL CONSOLE R4 K5498000
				23623	\$CFCVE VALUE=(R0)	CONVERT TO EBCDIC R4 K5498500
007E38	45E0 C4BA	004BA		23624+	BAL LINK,COFCVE	CONVERT TO EBCDIC K0233000
007E3C	9140 D188	00188		23625	TM COMPNTER,CMBFLAGW	IS THIS FROM A REMOTE R4 K5499000
007E40	4780 809A	07E48		23626	BZ SKIP460	SKIP IF NOT R4 K5499500
007E44	92D9 D0B6	000B6		23627	MVI COMMAND,C'R'	SET REMOTE IDENTIFIER R4 K5500000
007E48	9150 D188	00188		23628	TM COMPNTER,CMBFLAGW+CMBFLAGU	REMOTE OR UCM R4 K5500500
007E4C	4780 80A8	07E56		23629	BZ CDMPMC	SKIP IF EITHER R41 K5501000
007E50	D202 D0B7 D092	000B7	00092	23630	MVC COMMAND+1(3),COMDWORK+2	SET SOURCE ID R4 K5501500
007E56				23631	CDMPMC DS 0H	R41 K5501700
007E56	4130 D1DC	001DC		23632	LA WB,CDMRRH	POINT TO RANGES R4 K5502500
007E5A	9856 3000	00000		23633	LM WD,WE,0(WB)	PICK UP RANGES R4 K5503000
007E5E	4140 0001	00001		23634	CDML LA WC,1	SET RANGE INCREMENT R4 K5508000
007E62	5060 3004	00004		23635	CDMLL ST WE,4(WB)	SET CURRENT VALUE R4 K5508500
007E66	D20D D070 80EE	00070	07E9C	23636	MVC COMFLAG(14),CDMWTO	PUT MASK IN R4 K5509000
007E6C	9500 D1E3	001E3		23637	CLI CDMRRL+3,0	LOCAL SYSTEM R4 K5509500
007E70	4780 80D0	07E7E		23638	BZ CDMLOC	DISPLAY TO LOCAL IF YES R4 K5510000
007E74	9240 D070	00070		23639	MVI COMFLAG,CMBFLAGW	SET WORKSTATION AS RECEIVER R4 K5510500
007E78	D200 D076 D1E3	00076	001E3	23640	MVC COMRMT,CDMRRL+3	SET REMOTE NUMBER R4 K5511000
007E7E	D201 D074 B424	00074	00424	23641	CDMLOC MVC COMTO,\$SYSID	SET SYSTEM IDENTIFICATION R4 K5512000
				23642	CDMPUT \$CWTO L=(WF)	SEND MESSAGE R4 K5520500
007E84				23643+	CDMPUT DS 0H	Z0006000
007E84	1807			23644+	LR R0,WF	K0157000
007E86	4520 C07A	0007A		23645+	BAL WA,CWTO	REPLY TO OPERATOR K0161500
007E8A	8764 80B4	07E62		23646	BXLE WE,WC,CDMLL	LOOP R4 K5521000
				23647	\$CRET ,	RETURN R4 K5521500
007E8E				23648+	DS 0H	Z0006000
007E8E	41F0 0000	00000		23649+	LA R15,CORTNORM	NORMAL RETURN K0137000
007E92	47F0 C1AC	001AC		23650+	B CORET	RETURN K0137500
007E96	D200 D0BA 2000	000BA	00000	23651	CDMTEXT MVC COMMAND+4(*-*),0(WA)	*** EXECUTE ONLY *** R4 K5522000
				23652	*****	K5524000
				23653	*	* K5524500
				23654	* \$DM EQUATES	* K5525000
				23655	*	* K5525500
				23656	*****	K5526000
		001DC		23657	CDMRRH EQU COMREGSV,4	REMOTE RANGE HIGH VALUE R4 K5527000
		001E0		23658	CDMRRL EQU CDMRRH+4,4	REMOTE RANGE LOW VALUE R4 K5531000
				23659	CDMWTO \$WTO PRI=\$HI,CLASS=\$ALWAYS,JOB=NO,ROUTE=X'0100',MF=LX	R4 K5531500
007E9C	0077000000001000			23660+	CDMWTO DC AL1(0,\$ALWAYS+\$HI,0,*-*),AL2(*-*,4096,X'0100',0,0)	R4 IP138000
				23661	CDMMID \$MSG 001	MESSAGE ID K5532000
007EAA				23662+	\$MID001 DC 0AL4(\$MID001)	MESSAGE IDENTIFIER EU056000
007EAA	001F			23663+	CDMMID DC X'001F'	E0040000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23665	*****	K5532200
				23666	*	* K5532300
				23667	* \$ D M JOBID,TEXT AND \$ D M 'JOBNAME',TEXT	* K5532400
				23668	*	* K5532500
				23669	* DISPLAY MSG TO EXECUTING JOB, STC, TSU	* K5532600
				23670	*	* K5532700
				23671	*****	K5532800
				23672	PUSH USING SAVE STATUS OF BASE REGS R41	K5532900
007EAC				23674	CDMJ DS 0H CHECK FOR \$DM TO ACTIVE JOB R41	K5533100
007EAC	D207 D17E 887A 0017E 08628			23675	MVC COMJNAME,=CL8' ' BLANK OUT JOB NAME SLOT R41	K5533200
007EB2	1F22			23676	SLR WA,WA SET OFFSET FOR JOB NO R41	K5533300
007EB4	95D1 D0B9 000B9			23677	CLI COMOPRND+1,C'J' CHECK FOR JOB R41	K5533400
007EB8	4780 821C 07FCA			23678	BE CDMJOBID BRANCH IF YES TO EXTRACT JOBID R41	K5533500
007EBC	4820 88C4 08672			23679	LH WA,=H'10000' SET OFFSET FOR STC NO R41	K5533600
007EC0	95E2 D0B9 000B9			23680	CLI COMOPRND+1,C'S' CHECK FOR STC R41	K5533700
007EC4	4780 821C 07FCA			23681	BE CDMJOBID BRANCH IF YES TO EXTRACT JOBID R41	K5533800
007EC8	1E22			23682	ALR WA,WA SET OFFSET FOR TSU NO R41	K5533900
007ECA	95E3 D0B9 000B9			23683	CLI COMOPRND+1,C'T' CHECK FOR TSU R41	K5534000
007ECE	4780 821C 07FCA			23684	BE CDMJOBID BRANCH IF YES TO EXTRACT JOBID R41	K5534100
007ED2	957D D0B9 000B9			23685	CLI COMOPRND+1,C'''' SEE IF JOBNAME (STARTS W/ QUOTE) R41	K5534200
007ED6	4770 8018 07DC6			23686	BNE CDMERR ERROR IF NOT R41	K5534300
007EDA	4110 D0BA 000BA			23687	LA R1,COMOPRND+2 POINT TO 1ST CHAR OF JOBNAME R41	K5534400
007EDE	5840 5004 00004			23688	L WC,4(,WD) POINT TO END OF NAME + 2 R41	K5534500
007EE2	1F41			23689	SLR WC,R1 COMPUTE MACHINE R41	K5534600
007EE4	4B40 88C6 08674			23690	SH WC,=H'3' TEXT LENGTH R41	K5534700
007EE8	4740 8018 07DC6			23691	BM CDMERR ERROR IF NOT VALID R41	K5534800
007EEC	4100 0007 00007			23692	LA R0,7 ENSURE R41	K5534900
007EF0	1540			23693	CLR WC,R0 LENGTH R41	K5535000
007EF2	47D0 814A 07EF8			23694	BNH CDMJEX NOT R41	K5535100
007EF6	1840			23695	LR WC,R0 OVER 7 R41	K5535200
007EF8	4440 8388 08136			23696	CDMJEX EX WC,CDMJNMV MOVE IN JOB NAME R41	K5535300
007EFC	1F44			23697	SLR WC,WC SHOW JQE NOT FOUND YET R41	K5535400
007EFE				23698	CDMJSCAN DS 0H BRANCH HERE TO RE-SCAN R41	K5535500
				23699	\$CFJSCAN PROCESS=CDMJCK, SCAN JOB QUEUE, R41	CK5535600
					EMPTY=CDMJNJF, LOOKING FOR R41	CK5535700
					NEXT=CDMJNEXT, MATCHING R41	CK5535800
					IGNORE=CDMJNG JOBNAME R41	K5535900
				23700+	*****	K1045000
				23701+	* SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				23702+	*****	K1046000
007EFE	9200 D044 00044			23703+	MVI PCEBASE2,0 SET NO JOB(S) FOUND INDICATOR R4	K1048000
007F02	41F0 005E 0005E			23704+	LA R15,\$JQTYPES*2 NO. OF JOB QUEUES (TIMES 2) @OZ29819 R4	K1048600
007F06	40F0 D08A 0008A			23705+CJS1082A	STH R15,COMJQHDS SAVE JOB QUEUE HEADER INDEX R4	K1049500
007F0A	411F B54E 0054E			23706+	LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE R4	K1050000
007F0E	47F0 8168 07F16			23707+	B CJS1082B BR TO BEGIN QUEUE SCAN R4	K1052500
007F12	9280 D044 00044			23708+CDMJNEXT	MVI PCEBASE2,128 SET JOB FOUND INDICATOR R4	K1053000
007F16	58C0 D044 00044			23709+CJS1082B	L BASE2,PCEBASE2 SET JOB FOUND FLAG IN REGISTER R4	K1053500
007F1A	4810 1006 00006			23710+CDMJNG	LH R1,JQECHAIN GET OFFSET OF NEXT JQE R4	K1054000
007F1E	5410 8896 08644			23711+	N R1,=A('X'0000FFFF') INSURE OFFSET POSITIVE R4	K1056000
007F22	4780 8184 07F32			23712+	BZ CJS1082C BR IF END OF QUEUE R4	K1056500
007F26	8910 0002 00002			23713+	SLL R1,2 GET TRUE R4	K1057000
007F2A	5E10 B1C0 001C0			23714+	AL R1,\$JOBQPTR JQE ADDRESS R4	K1057500
007F2E	47F0 81D4 07F82			23715+	B CDMJCK AND ENTER PROCESS ROUTINE R4	K1058000
007F32	48F0 D08A 0008A			23716+CJS1082C	LH R15,COMJQHDS GET CURRENT JOB QUEUE HDR INDEX R4	K1059000
007F36	06F0			23717+	BCTR R15,0 REDUCE OFFSET BY 1 R4	K1059500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
007F38	46F0 8158	07F06		23718+	BCT	R15,CJS1082A	BR IF ANOTHER JOB QUEUE R4 K1061500
007F3C	12CC			23719+	LTR	BASE2,BASE2	TEST FOR ANY JOB(S) FOUND R4 K1062500
007F3E	4720 81A2	07F50		23720+	BP	CDMJNJF	BR IF NO R4 K1063000
007F42	1224			23721	LTR	WA,WC	AT END OF SCAN, CHECK FOR ONLY 1 R41 K5536000
007F44	47B0 823E	07FEC		23722	BNM	CDMJXEQ	JOB FOUND, BRANCH IF SO R41 K5536100
				23723	\$CRET	,	EXIT IF ERROR R41 K5536200
007F48				23724+	DS	0H	Z0006000
007F48	41F0 0000	00000		23725+	LA	R15,CORTNORM	NORMAL RETURN K0137000
007F4C	47F0 C1AC	001AC		23726+	B	CORET	RETURN K0137500
007F50	9540 D17E	0017E		23727	CDMJNJF	CLI COMJNAME,C' '	SEE IF JOBNAME SUPPLIED R41 K5536300
007F54	4770 81BC	07F6A		23728	BNE	CDMJNJF2	BRANCH IF SO R41 K5536400
				23729	\$CRET	MSG='JOB(S) NOT FOUND'	EXIT WITH DIAGNOSTIC R41 K5536500
007F58				23730+	DS	0H	Z0006000
007F58	D20F D0B6 8882	000B6	08630	23731+	MVC	COMMAND(16),=C'JOB(S) NOT FOUND'	K0131000
007F5E	4100 0010	00010		23732+	LA	R0,16	SET LENGTH OF MSG IN R0 K0131500
007F62	41F0 0008	00008		23733+	LA	R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
007F66	47F0 C1AC	001AC		23734+	B	CORET	RETURN K0137500
007F6A	D207 D0B6 D17E	000B6	0017E	23735	CDMJNJF2	MVC COMMAND(8),COMJNAME	CONSTRUCT ERROR MESSAGE R41 K5536600
007F70	D20D D0BE 88C8	000BE	08676	23736	MVC	COMMAND+8(14),=C' JOB NOT FOUND'	R41 K5536700
				23737	\$CRET	L=8+14	EXIT WITH ERROR MESSAGE R41 K5536800
007F76				23738+	DS	0H	Z0006000
007F76	4100 0016	00016		23739+	LA	R0,8+14	K0124500
007F7A	41F0 0008	00008		23740+	LA	R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
007F7E	47F0 C1AC	001AC		23741+	B	CORET	RETURN K0137500
007F82	D507 1014 D17E	00014	0017E	23742	CDMJCK	CLC JQEJNAME,COMJNAME	SEE IF DESIRED JOBNAME, R41 K5536900
007F88	4770 816C	07F1A		23743	BNE	CDMJNG	CONTINUE SCAN IF NOT R41 K5537000
007F8C	1244			23744	LTR	WC,WC	SEE IF FOUND BEFORE, R41 K5537100
007F8E	4770 81EA	07F98		23745	BNZ	CDMJCK1	BRANCH IF SO R41 K5537200
007F92	1841			23746	LR	WC,R1	SHOW JQE FOUND R41 K5537300
007F94	47F0 8164	07F12		23747	B	CDMJNEXT	CONTINUE SCAN R41 K5537400
007F98	4740 820A	07FB8		23748	CDMJCK1	BM CDMJDISP	BRANCH IF IN 'DISPLAY' MODE R41 K5537500
007F9C	D207 D0B6 D17E	000B6	0017E	23749	MVC	COMMAND(8),COMJNAME	BUILD ERROR MESSAGE R41 K5537600
007FA2	D213 D0BE 889A	000BE	08648	23750	MVC	COMMAND+8(20),=C' MULTIPLE JOBS FOUND'	R41 K5537700
				23751	\$CWTO	L=8+20	ISSUE DISGNOSTIC R41 K5537800
007FA8				23752+	DS	0H	Z0006000
007FA8	4100 001C	0001C		23753+	LA	R0,8+20	K0154000
007FAC	4520 C07A	0007A		23754+	BAL	WA,CWTO	REPLY TO OPERATOR K0161500
007FB0	BF48 8906	086B4		23755	ICM	WC,8,=X'80'	SHIFT TO 'DISPLAY' MODE R41 K5537900
007FB4	47F0 8150	07EFE		23756	B	CDMJSCAN	AND RESTART SCAN AT THE TOP R41 K5538000
				23757	CDMJDISP	\$CFJMSG JOBQE=(R1),	DISPLAY INFO ABOUT R41CK5538100
						TYPE=CALL	DUPLICATE JOB R41 K5538200
007FB8				23758+	CDMJDISP	DS 0H	Z0006000
007FB8	92FF D117	00117		23759+	MVI	COFOPT,COFU	SET OPTION K0750000
007FBC	927F D118	00118		23760+	MVI	COFAFF,X'7F'	SET FOR ALL SYSTEMS ACTIVE K0751500
007FC0	58A0 88AE	0865C		23761+	L	R10,=A(COFJMSG)	POINT TO SERVICE ROUTINE R4 K0752500
007FC4	052A			23762+	BALR	WA,R10	CALL JOB INFORMATION MSG ROUTINE R4 K0753000
007FC6	47F0 8164	07F12		23763	B	CDMJNEXT	RESUME SCAN R41 K5538300
				23764	CDMJOBID	\$CFCVB POINTER=(WD),NOK=CDMERR	EXTRACT JOBID R41 K5538400
007FCA				23765+	CDMJOBID	DS 0H	Z0006000
007FCA	1815			23766+	LR	R1,WD	CJ018000
007FCC	45E0 C456	00456		23767+	BAL	LINK,COFCVB	CONVERT NUMBERS TO BINARY K0193500
007FD0	47F0 8018	07DC6		23768+	B	CDMERR	BRANCH IF OPERAND INVALID K0196500
007FD4	1501			23769	CLR	R0,R1	RANGE CANNOT BE SPECIFIED R41 K5538500
007FD6	4770 8018	07DC6		23770	BNE	CDMERR	ERROR IF RANGE R41 K5538600
007FDA	1E12			23771	ALR	R1,WA	ADD IN JOB/STC/TSU OFFSET R41 K5538700
				23772	\$QLOC	(R1)	SEE IF SPECIFIED JOB EXISTS R41 K5538800

LOC	OBJECT	CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22	
007FDC	45E0	B058	00058		23773+	BAL	LINK,\$QLOC	LINK TO CONTROL SERVICE PROGRAM	GF010000	
007FE0	4780	81A2	07F50		23774	BZ	CDMJNJF	ERROR IF JOB NOT FOUND	R41 K5538900	
007FE4	1821				23775	LR	WA,R1	SAVE JOE POINTER IN WA	R41 K5539000	
007FE6	D207	D17E	2014	0017E	00014	23776	MVC	COMJNAME,QUEJNAME(WA) SAVE JOB NAME	R41 K5539100	
007FEC					23777	CDMJXEQ	DS	0H	ENTRY FROM \$DM'JOBNAME','TEXT	R41 K5539200
007FEC	9140	2001		00001	23778	TM	QUETYPE(WA),\$XEQ	TEST FOR EXECUTION	R41 K5539300	
007FF0	4780	8358		08106	23779	BZ	CDMJERR	ERROR IF NOT	R41 K5539400	
007FF4	9540	2001		00001	23780	CLI	QUETYPE(WA),\$XEQ	RETEST FOR EXECUTION	R41 K5539500	
007FF8	4780	8358		08106	23781	BE	CDMJERR	ERROR IF REALLY CONVERSION	R41 K5539600	
007FFC	4302	0004		00004	23782	IC	R0,QUEFLAGS(WA)	PICK UP BUSY FLAGS FOR JOB	R41 K5539700	
008000	5400	88B2		08660	23783	N	R0,=A(QUEBUSY)	ISOLATE BUSY SYSTEM ID	R41 K5539800	
008004	BD01	B425		00425	23784	CLM	R0,1,\$SIDBUSY	SEE IF EXECUTING ON OUR SYSTEM	R41 K5539900	
008008	4770	8358		08106	23785	BNE	CDMJERR	ERROR IF NOT	R41 K5540000	
00800C	8656	8018		07DC6	23786	BXH	WD,WE,CDMERR	MAKE SURE TEXT WAS SPECIFIED	R41 K5540100	
008010	4100	0002		00002	23787	LA	R0,2	SET CELL	R41 K5540200	
008014	1810				23788	LR	R1,R0	CLAIM ID	R41 K5540300	
008016	4140	00B0		000B0	23789	LA	R4,S34DL	LENGTH OF REQUIRED CELL	R41 K5540400	
					23790		\$GETCEL NONE=CDMJEND	GET CELL FOR QUEUEING MESSAGE	R41 K5540500	
00801A	58F0	B0E8		000E8	23791+	L	R15,\$GETCEL	POINT TO ROUTINE	DH010000	
00801E	05EF				23792+	BALR	LINK,R15	ENTER GET CELL ROUTINE	DH012000	
008020	1211				23793+	LTR	R1,R1	TEST FOR GOTTEN	DH014000	
008022	4780	8376		08124	23794+	BZ	CDMJEND	BR IF NO STORAGE	DH016000	
008026	1831				23795	LR	R3,R1	SET UP ADDRESSABILITY	R41 K5540600	
				00000	23796	USING	S34DSECT,R3	ON CELL	R41 K5540700	
008028	D225	300F	8394	0000F	08142	23797	MVC	S34DTEXT-1(CDMJEDTL),CDMJEDIT MOVE EDIT & FILL CHARS	R41 K5540800	
					23798	TIME	DEC	GET TIME OF DAY	R41 K5540900	
					23799+*	/*	MACDATE Y-1 72277	*/	02050002	
					23800+*	/*			02100002	
00802E	4110	0002		00002	23801+	LA	1,2(0,0)	LOAD 1 TO SPECIFY UNIT	22000002	
008032	0A0B				23802+	SVC	11	ISSUE TIME SVC	35000002	
008034	5000	D014		00014	23803	ST	R0,PCER0	STORE HHMSSTH FOR EDIT	R41 K5541000	
008038	DE08	300F	D014	0000F	00014	23804	ED	S34DTEXT-1(L'S34DTEXT+1),PCER0 EDIT TIME OF DAY	R41 K5541100	
00803E	9110	D070		00070	23805	TM	COMFLAG,CMBFLAGU	IF MSG FROM LOCAL CONSOLE,	R41 K5541200	
008042	4710	82B8		08066	23806	BO	CDMVCTXT	LEAVE ID AT 'OPER'	R41 K5541300	
008046	D203	302C	88B6	0002C	08664	23807	MVC	S34EDIT,=X'D9202120' MOVE 'R' & EDIT PATTERN	R41 K5541500	
00804C	1F00				23808	SLR	R0,R0	PICK UP	R41 K5541600	
00804E	4300	D076		00076	23809	IC	R0,COMRMT	REMOTE NUMBER	R41 K5541700	
008052	4E00	D018		00018	23810	CDMJCVD	CVD	R0,PCER1	CREATE DECIMAL NUMBER	R41 K5542900
008056	4110	302F		0002F	23811	LA	R1,S34EDIT+3	PRESET SIGNIF. CHAR. POINTER	R41 K5543000	
00805A	DF03	302C	D01E	0002C	0001E	23812	EDMK	S34EDIT,PCER1+6	EDIT NUMBER AND	R41 K5543100
008060	D203	302D	1000	0002D	00000	23813	MVC	S34EDIT+1(4),0(R1)	LEFT-JUSTIFY	R41 K5543200
008066	5810	5000		00000	23814	CDMVCTXT	L	R1,0(,WD)	POINT TO START OF TEXT	R41 K5543300
00806A	58F0	5004		00004	23815	L	R15,4(,WD)	POINT TO END OF TEXT PLUS 2	R41 K5543400	
00806E	1FF1				23816	SLR	R15,R1	COMPUTE LENGTH	R41 K5543500	
008070	06F0				23817	BCTR	R15,0	FOR EXECUTED	R41 K5543600	
008072	06F0				23818	BCTR	R15,0	MVC	R41 K5543700	
008074	4100	0073		00073	23819	LA	R0,L'S34DTEXT-(S34MSG-S34HEADR)-1	LOAD MAX LENGTH	R41 K5543800	
008078	15F0				23820	CLR	R15,R0	IF TEXT	R41 K5543900	
00807A	47D0	82D2		08080	23821	BNH	CDMJEX2	TOO LONG,	R41 K5544000	
00807E	18F0				23822	LR	R15,R0	TRUNCATE	R41 K5544100	
008080	44F0	838E		0813C	23823	CDMJEX2	EX	R15,CDMS34MV	MOVE TEXT TO MSG CELL	R41 K5544200
008084	41F0	F024		00024	23824	LA	R15,S34MSG-S34DTEXT+1(,R15)	COMPUTE MSG LENGTH	R41 K5544300	
008088	40F0	300E		0000E	23825	STH	R15,S34DMSG	AND STORE IN CELL	R41 K5544400	
00808C	4100	00B0		000B0	23826	LA	R0,S34DL	SET TOTAL LENGTH	R41 K5544500	
008090	4000	300C		0000C	23827	STH	R0,S34DLN	OF CELL	R41 K5544600	
					23828	\$GETLOK	,	GET LOCAL, CMS LOCKS	R41 K5544700	

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
008094	58F0 B0F0	000F0		23829+	L R15,\$GETLOK	POINT TO ROUTINE DL006000
008098	05EF			23830+	BALR LINK,R15	ENTER GET LOCK ROUTINE DL008000
00809A	58E0 B150	00150		23831	L R14,\$SSVT	POINT REG 14 TO SSVT R41 K5544800
			00000	23832	USING SSVT,R14	SSVT ADDRESSABILITY R41 K5544900
			00000	23833	USING SJBDSECT,R1	SJB ADDRESSABILITY R41 K5545000
00809E	1802			23834	LR R0,WA	RELOAD JQE ADDRESS @OZ40028 K5545020
0080A0	5F00 B1C0	001C0		23835	SL R0,\$JOBQPTR	REDUCE ADDRESS TO OFFSET @OZ40028 K5545040
0080A4	5810 E37C	0037C		23836	L R1,\$SVJXCLS	POINT TO BATCH JOB CHAIN R41 K5545100
0080A8	D501 2002 88C4	00002	08672	23837	CLC QUEJOBNO(,WA),=H'10000'	CHECK FOR BATCH JOB R41 K5545200
0080AE	47D0 8308	080B6		23838	BNH CDMSJBLP	BRANCH IF SO R41 K5545300
0080B2	5810 E380	00380		23839	L R1,\$SVJXNUM	POINT TO STC/TSU CHAIN R41 K5545400
0080B6	1211			23840	CDMSJBLP LTR R1,R1	CHECK FOR END OF CHAIN R41 K5545500
0080B8	4780 8344	080F2		23841	BZ CDMFRELK	BR TO FREE LOCK IF SO R41 K5545600
0080BC	BD07 106D	0006D		23842	CLM R0,7,SJBJQOFF+1	TEST JQE OFFSET @OZ40028 K5545700
0080C0	4780 831E	080CC		23843	BE CDMSJBOK	BR IF THIS IS THE SJB WE WANT R41 K5545800
0080C4	5810 10C8	000C8		23844	L R1,SJBXQCHN	CHAIN TO NEXT R41 K5545900
0080C8	47F0 8308	080B6		23845	B CDMSJBLP	LOOP R41 K5546000
0080CC	58F0 3000	00000		23846	CDMSJBOK L R15,S34DCCEW	SET OWNING SJB ID R41 K5546100
0080D0	5010 F008	00008		23847	ST R1,CCESJB-CCEDSECT(,R15)	IN CELL R41 K5546200
0080D4	D207 3019 10E4	00019	000E4	23848	MVC S34DJOB,SJBJOBID	SET JOBID IN MESSAGE R41 K5546300
				23849	MODESET EXTKEY=ZERO	ZERO PROTECT KEY FOR QUEUEING R41 K5546400
				23850+*	/* MACDATE Y-3 77277	@ZA26071*/ 01800003
				23851+*	/*	01850002
0080DA	B20A 0000	00000		23852+	SPKA 0(0)	SET PSW KEY 79716002
0080DE	58F0 10D8	000D8		23853	L R15,SJBLOGQ	POINT TO CHAIN OF THINGS TO LOG R41 K5546500
0080E2	50F0 3008	00008		23854	CDMCSLP ST R15,S34DNEXT	PUT CHAIN POINTER IN OUR CELL R41 K5546600
0080E6	BAF3 10D8	000D8		23855	CS R15,R3,SJBLOGQ	TRY TO ADD CELL TO CHAIN R41 K5546700
0080EA	4770 8334	080E2		23856	BNE CDMCSLP	LOOP IF UNSUCCESSFUL R41 K5546800
				23857	MODESET EXTKEY=HASP	RETURN TO REGULAR KEY R41 K5546900
				23858+*	/* MACDATE Y-3 77277	@ZA26071*/ 01800003
				23859+*	/*	01850002
0080EE	B20A 0010	00010		23860+	SPKA 16(0)	SET PSW KEY 79716002
				23861	DROP R14	DROP SSVT ADDRESSABILITY R41 K5547000
				23862	CDMFRELK \$FRELOK ,	RELEASE CMS, LOCAL LOCKS R41 K5547100
0080F2	58F0 B0F4	000F4		23863+	CDMFRELK L R15,\$FRELOK	POINT TO ROUTINE DB006000
0080F6	05EF			23864+	BALR LINK,R15	FREE LOCK DB008000
0080F8	1211			23865	LTR R1,R1	SEE IF SJB WAS FOUND R41 K5547200
0080FA	4770 8376	08124		23866	BNZ CDMJEND	BRANCH IF SO R41 K5547300
0080FE	1813			23867	LR R1,R3	POINT R1 TO CELL R41 K5547400
				23868	\$FRECEL ,	FREE CELL CONTAINING MESSAGE R41 K5547500
008100	58F0 B0EC	000EC		23869+	L R15,\$FRECEL	POINT TO ROUTINE C5008000
008104	05EF			23870+	BALR LINK,R15	ENTER FREE CELL ROUTINE C5010000
008106	D207 D0B6 D17E	000B6	0017E	23871	CDMJERR MVC COMMAND(8),COMJNAME	CONSTRUCT ERROR MESSAGE R41 K5547600
00810C	D215 D0BE 88D6	000BE	08684	23872	MVC COMMAND+8(22),=C' JOB NOT EXECUTING ON '	R41 K5547700
008112	D203 D0D4 B418	000D4	00418	23873	MVC COMMAND+8+22(4),\$SID	APPEND OUR SYSTEM ID R41 K5547800
				23874	\$CRET L=8+22+4	EXIT & ISSUE DIAGNOSTIC R41 K5547900
008118				23875+	DS 0H	Z0006000
008118	4100 0022	00022		23876+	LA R0,8+22+4	K0124500
00811C	41F0 0008	00008		23877+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
008120	47F0 C1AC	001AC		23878+	B CORET	RETURN K0137500
				23879	CDMJEND \$CRET MSG='OK'	END OF \$DMJ COMMAND R41 K5548000
008124				23880+	CDMJEND DS 0H	Z0006000
008124	D201 D0B6 88C2	000B6	08670	23881+	MVC COMMAND(2),=C'OK'	K0131000
00812A	4100 0002	00002		23882+	LA R0,2	SET LENGTH OF MSG IN R0 K0131500
00812E	41F0 0008	00008		23883+	LA R15,CORTMSG	RETURN AND ISSUE MESSAGE K0133000
008132	47F0 C1AC	001AC		23884+	B CORET	RETURN K0137500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
008136	D200 D17E 1000	0017E	00000	23886	CDMJNMV	MVC COMJNAME(*-*),0(R1) *** EXECUTE ONLY ***	R41 K5548200
00813C	D200 3033 1000	00033	00000	23887	CDMS34MV	MVC S34MSG(*-*),0(R1) *** EXECUTE ONLY ***	R41 K5548300
008142				23888	CDMJEDIT	DS 0C EDIT PATTERNS AND FILLER	R41 K5548400
008142	4021204B20204B20			23889		DC X'4021204B20204B2020'	R41 K5548500
00814B	40D1D6C240D5D5D5			23890		DC C' JOB NNNN '	R41 K5548600
008156	D4E2C740C6D9D6D4			23891	S34CONST	DC C'MSG FROM OPER: '	R41 K5548700
			00023	23892	S34HEADR	EQU S34DTEXT,L'S34CONST LOCATION OF ABOVE TEXT	R41 K5548800
			0002C	23893	S34EDIT	EQU S34HEADR+9,4 EDIT PATTERN OVERLAYS 'OPER'	R41 K5548900
			00033	23894	S34MSG	EQU S34HEADR+16 TEXT OF MESSAGE	R41 K5549000
			00026	23895	CDMJEDTL	EQU *-CDMJEDIT LENGTH FOR INITIAL MOVE	R41 K5549100
				23896		POP USING	R41 K5549200

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23898	*****	K5549400
				23899	*	* K5549500
				23900	* \$R ALL/PRT/PUN,J=FOR-JOBID/R=FOR-DEST,D=TO-DEST,Q=CLASSES	* K5549600
				23901	*	* K5550000
				23902	* MEANING	* K5550100
				23903	* ROUTE OUTPUT OF TYPE 'OP1' FOR JOB OR DEST TO DEST	* K5550200
				23904	* OPTIONALLY QUALIFIED BY CLASSES	* K5550300
				23905	*	* K5550700
				23906	*****	K5550800
				23908	*****	K5551000
				23909	*	* K5551100
				23910	* CHECK FOR 'ALL' 'PRT' OR 'PUN'	* K5551300
				23911	*	* K5551700
				23912	*****	K5551800
008168				23913	CR DS 0H START OF \$R COMMAND	K5551900
008168	956B D0BB		000BB	23914	CLI COMOPRND+3,C', ' CHECK FOR PROPER FORMAT	K5552000
00816C	4770 8018		07DC6	23915	BNE CDMERR NO--EXIT IN ERROR	K5552100
008170	D502 D0B8	8907	000B8 086B5	23916	CLC COMOPRND(3),=C'ALL' IS ROUTING FOR BOTH PRT AND PUN	K5552200
008176	920C D1D8		001D8	23917	MVI COMNULOP,CRXALL ASSUME 'ALL'	K5552300
00817A	4780 83EC		0819A	23918	BE CRXTYPE YES--EXIT TYPE SCAN	K5552400
00817E	D502 D0B8	890A	000B8 086B8	23919	CLC COMOPRND(3),=C'PRT' IS ROUTING FOR PRT ONLY	K5552500
008184	9208 D1D8		001D8	23920	MVI COMNULOP,CRXPRT ASSUME SUCH	K5552600
008188	4780 83EC		0819A	23921	BE CRXTYPE YES--EXIT TYPE SCAN	K5552700
00818C	D502 D0B8	890D	000B8 086BB	23922	CLC COMOPRND(3),=C'PUN' IS ROUTING FOR PUNCH ONLY	K5552800
008192	9204 D1D8		001D8	23923	MVI COMNULOP,CRXPUNCH SET 'PUN'	K5552900
008196	4770 8018		07DC6	23924	BNE CDMERR NO--ERROR OR NEXT SECTION	K5553500
				23926	*****	K5554500
				23927	*	* K5555000
				23928	* EXAMINE 2ND, 3RD AND 4TH OPERANDS FOR VALID SPECS	* K5555500
				23929	*	* K5556000
				23930	*****	K5556500
00819A				23931	CRXTYPE DS 0H EXAMINE ADDITIONAL OPERANDS	K5557000
00819A	D707 D1DC	D1DC	001DC 001DC	23932	XC CRXWORKA,CRXWORKA SET CRX WORK AREA TO ZEROES	R4 K5557500
0081A0	8656 844A		081F8	23933	CRXNXTOP BXH WD,WE,CRXGO POINT TO NEXT OPERAND POINTER	R4 K5558000
0081A4	5830 5000		00000	23934	L WB,0(,WD) POINT TO FIRST CHARACTER	R4 K5558500
0081A8	957E 3001		00001	23935	CLI 1(WB),C'=' THIS EQUAL	R4 K5559000
0081AC	4770 8018		07DC6	23936	BNE CDMERR ERROR IF JOB	R4 K5559500
0081B0	95D1 3000		00000	23937	CLI 0(WB),C'J' IS THIS JOB	R4 K5560000
0081B4	4780 868C		0843A	23938	BE CRXJANL BREAK OUT JOB	R4 K5560500
0081B8	95D8 3000		00000	23939	CLI 0(WB),C'Q' IS THIS QUEUE	R4 K5561000
0081BC	4780 8714		084C2	23940	BE CRXQANL BREAK OUT QUEUES	R4 K5561500
0081C0	95D9 3000		00000	23941	CLI 0(WB),C'R' IS THIS ROUTING	R4 K5562000
0081C4	4780 8432		081E0	23942	BE CRXFMANL BREAK OUT DESTINATION	R4 K5562500
0081C8	95C4 3000		00000	23943	CLI 0(WB),C'D' IS THIS NEW DESTINATION	R4 K5563000
0081CC	4770 8018		07DC6	23944	BNE CDMERR ERROR IF NOT	R4 K5563500
0081D0	4520 867C		0842A	23945	BAL WA,CRXANAL BREAK OUT DESTINATION	R4 K5564000
0081D4	BE03 D1DE		001DE	23946	STCM R0,3,CRXNEWRT SET ROUTING	R4 K5564500
0081D8	9640 D1D8		001D8	23947	OI COMNULOP,CRXOP3 SET OPERAND 3 PRESENT	R4 K5565000
0081DC	47F0 83F2		081A0	23948	B CRXNXTOP DO NEXT OPERAND	R4 K5565500
0081E0	9180 D1D8		001D8	23949	CRXFMANL TM COMNULOP,CRXOP2 ALREADY SPECIFIED	R4 K5566000
0081E4	4710 8018		07DC6	23950	BO CDMERR ERROR IF YES	R4 K5566500
0081E8	4520 867C		0842A	23951	BAL WA,CRXANAL BREAK OUT DESTINATION	R4 K5567000
0081EC	BE03 D1DC		001DC	23952	STCM R0,3,CRXOLDRT SET OLD ROUTE CODE	R4 K5567500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0081F0	9680 D1D8	001D8		23953	OI	COMNULOP,CRXOP2	SET OPERAND 2 PRESENT R4 K5568000
0081F4	47F0 83F2	081A0		23954	B	CRXNXTOP	DO NEXT OPERAND R4 K5568500
0081F8	91C0 D1D8	001D8		23955	CRXGO TM	COMNULOP,CRXOP2+CRXOP3	REQUIRED OPERANDS PRESENT R4 K5569000
0081FC	47E0 8018	07DC6		23956	BNO	CDMERR	ERROR IF NOT R4 K5569500
				23957		\$QSUSE ,	ENQUEUE ON SHARED RESOURCE K5570000
008200	05F0			23958+	BALR	R15,0	SET RETURN ADDR FROM \$QSUSE R4 GM014000
008202	9180 B427	00427		23959+	TM	\$STATUS,\$QSONDA	MAY QUEUES BE USED... @OZ27300 GM016000
008206	4770 B068	00068		23960+	BNZ	\$QSUSES	BR TO \$QSUSE ROUTINE IF NO R4 GM024000
00820A	9102 D1D8	001D8		23961	TM	COMNULOP,CRXJOB	CHECK FOR FROM ID A JOB K5570500
00820E	4710 84AC	0825A		23962	BO	CRXCHKJB	YES--GO HANDLE JOB K5571000
008212	D501 D1DE D1DC	001DE	001DC	23963	CLC	CRXNEWRT,CRXOLDRT	ANY EFFECTIVE CHANGE R4 K5571500
008218	4780 880E	085BC		23964	BE	CRXRET	SKIP IT IF NOT R4 K5572000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23966	*****	K5573000
				23967	*	* K5573500
				23968	* SCAN JOB QUEUE LOOKING FOR JOBS BELONGING TO FROM ID	* K5574000
				23969	*	* K5574500
				23970	*****	K5575000
				23971	CRXSCAN \$CFJSCAN PROCESS=CRXJQE,NEXT=CRXNXJQE SCAN THE JOB Q	K5575500
				23972+	*****	K1045000
				23973+	* SCAN JOB QUEUE FOR SELECTED JOBS	* K1045500
				23974+	*****	K1046000
00821C				23975+	CRXSCAN DS 0H	R4 K1047000
00821C	41F0 005E	0005E		23976+	LA R15,\$JQTYPES*2 NO. OF JOB QUEUES (TIMES 2) @OZ29819	K1048600
008220	40F0 D08A	0008A		23977+	CJS1129A STH R15,COMJQHDS SAVE JOB QUEUE HEADER INDEX	R4 K1049500
008224	411F B54E	0054E		23978+	LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE	R4 K1050000
008228	4810 1006	00006		23979+	CRXNXJQE LH R1,JQECHAIN GET OFFSET OF NEXT JQE	R4 K1055500
00822C	5410 8896	08644		23980+	N R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
008230	4780 8492	08240		23981+	BZ CJS1129C BR IF END OF QUEUE	R4 K1056500
008234	8910 0002	00002		23982+	SLL R1,2 GET TRUE	R4 K1057000
008238	5E10 B1C0	001C0		23983+	AL R1,\$JOBQPTR JQE ADDRESS	R4 K1057500
00823C	47F0 850E	082BC		23984+	B CRXJQE AND ENTER PROCESS ROUTINE	R4 K1058000
008240	48F0 D08A	0008A		23985+	CJS1129C LH R15,COMJQHDS GET CURRENT JOB QUEUE HDR INDEX	R4 K1059000
008244	06F0			23986+	BCTR R15,0 REDUCE OFFSET BY 1	R4 K1059500
008246	46F0 8472	08220		23987+	BCT R15,CJS1129A BR IF ANOTHER JOB QUEUE	R4 K1061500
00824A	5810 D098	00098		23989	L R1,COMWREGS GET ADR OF JOBNAME HIT JQE	R4 K5576500
00824E	95FF D1DC	001DC		23990	CLI CRXJOBNO,X'FF'	WAS THERE A JOBNAME HIT R4 K5577000
008252	4780 84C0	0826E		23991	BE CRXCHKJO CHECK JOB OWNERSHIP IF YES	R4 K5577500
008256	47F0 880E	085BC		23992	B CRXRET RETURN WHEN QUEUE EXHAUSTED	K5578000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				23994	*****	K5579000
				23995	*	* K5579500
				23996	* FROM ID IS A JOB -- CHK VALIDITY OF JOB & PERFORM FUNCT	* K5580000
				23997	*	* K5580500
				23998	*****	K5581000
00825A				23999	CRXCHKJB DS 0H FROM ID IS A JOB	K5581500
00825A	1F00			24000	SLR R0,R0 ZERO WORK	K5582000
00825C	BF03 D1DC	001DC		24001	ICM R0,3,CRXJOBNO GET JOB NUMBER	K5582500
008260	4780 846E	0821C		24002	BZ CRXSCAN IF CRXJOBNO=0 THIS IS J='JOBNAME' R4	K5583000
				24003	\$QLOC (R0),CRXJNFND LOOK FOR JOB IN QUEUE	K5583500
008264	1810			24004+	LR R1,R0	CJ018000
008266	45E0 B058	00058		24005+	BAL LINK,\$QLOC LINK TO CONTROL SERVICE PROGRAM	GF010000
00826A	4780 87FC	085AA		24006+	BC 8,CRXJNFND	FB008000
				24007	CRXCHKJO \$CFVQE NOK=CRXRET VERIFY OWNERSHIP R4	K5584000
00826E				24008+	CRXCHKJO DS 0H	K1117000
00826E	45E0 CA62	00A62		24009+	BAL LINK,COFVQE VERIFY JOB'S OWNERSHIP	K1118000
008272	4770 880E	085BC		24010+	BNE CRXRET OWNERSHIP NOT VERIFIED--'NOK'	K1142500
008276	9110 1004	00004		24011	TM JQEFLAGS,QUEPURGE TRST FOR JOB TO BE PURGED	K5584500
00827A	4710 880E	085BC		24012	BO CRXRET YES -- FORGET CHANGING	K5585000
00827E	9520 1001	00001		24013	CLI JQETYPE,\$INPUT IS JOB ON A READER	K5585500
008282	4780 880E	085BC		24014	BE CRXRET YES -- DON'T ROUTE IT	K5586000
008286	BF3F D1E0	001E0		24015	ICM WB,15,CRXCLSPT LOOK FOR Q= OPERAND	K5591500
00828A	4770 8504	082B2		24016	BNZ CRXJBCLQ YES -- CHG ALL JOES TO SPECIAL	K5592000
00828E	9108 D1D8	001D8		24017	TM COMNULOP,CRXPRINT ELSE CHANGE JQE FIRST	K5592500
008292	4780 84EE	0829C		24018	BZ CRXJPUN TEST FOR PRINT ROUTING CHANGE	K5593000
008296	D201 100C D1DE	0000C 001DE		24019	MVC JQEPRT,CRXNEWRT CHANGE PRINT ROUTING IF YES	K5593500
00829C	9104 D1D8	001D8		24020	CRXJPUN TM COMNULOP,CRXPUNCH TEST FOR PUN RE-ROUTING	K5594000
0082A0	4780 84FC	082AA		24021	BZ *+10 NO--SKIP JQE CHANGE	K5594500
0082A4	D201 100E D1DE	0000E 001DE		24022	MVC JQEPUNRT,CRXNEWRT YES--RE-ROUTE PUNCH	K5595000
				24023	\$QCKPT (R1) CHECKPOINT THE CHANGED JQE	K5595500
0082AA	45E0 B05C	0005C		24024+	BAL LINK,\$QCKPT LINK TO CONTROL SERVICE PROGRAM	GB010000
0082AE	9610 D1D8	001D8		24025	OI COMNULOP,CRXMODS FLAG A MODIFICATION MADE	K5596000
0082B2				24026	CRXJBCLQ DS 0H @OZ29780	K5598500
0082B2	1871			24027	LR WF,R1 POINT TO JOB QUEUE ELEMENT @OZ29780	K5599000
0082B4	4560 85AC	0835A		24028	BAL WE,CRXALLCL YES-CHANGE SPECIAL JOE ROUTINGS	K5600000
0082B8	47F0 880E	085BC		24029	B CRXRET AND THEN RETURN	K5600500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24031 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5604500
				24032 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5605000
				24033 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5605500
				24034 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5606000
				24035 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5606500
				24036 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5607000
				24037 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5607500
				24038 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5608000
				24039 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5608500
				24040 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5609000
				24041 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5609500
				24042 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5610000
				24043 *	*****	K5611000
				24044 *		* K5611500
				24045 *	LOOK AT EACH JOB IN QUEUE TO SEE IF IT	* K5612000
				24046 *	BELONGS TO FROM ID AND THEN CHANGE IT ACCORDINGLY	* K5612500
				24047 *		* K5613000
				24048 *	*****	K5613500
0082BC				24049 CRXJQE DS 0H	A JOB WAS FOUND	K5614000
0082BC	9102 D1D8	001D8		24050 TM COMNULOP,CRXJOB	WAS J= OPTION SPECIFIED (JOBNAME) R4	K5614500
0082C0	4780 8534	082E2		24051 BZ CRXJQEF	BRANCH IF NOT	R4 K5615000
0082C4	D507 1014 D17E	00014 0017E		24052 CLC JQEJNAME,COMJNAME	DOES JQE JOBNAME = CMD JOBNAME	R4 K5615500
0082CA	4770 847A	08228		24053 BNE CRXNXJQE	CONTINUE SCAN IF NOT	R4 K5616000
0082CE	95FF D1DC	001DC		24054 CLI CRXJOBNO,X'FF'	IS THIS 1ST JOBNAME HIT	R4 K5616500
0082D2	4780 8758	08506		24055 BE CRXMULTI	OUTPUT ERROR MSG IF NOT	R4 K5617000
0082D6	92FF D1DC	001DC		24056 MVI CRXJOBNO,X'FF'	INDICATE JOBNAME HIT FOUND	R4 K5617500
0082DA	5010 D098	00098		24057 ST R1,COMWREGS	SAVE ADR OF JQE	R4 K5618000
0082DE	47F0 847A	08228		24058 B CRXNXJQE	CONTINUE JQE SCAN	R4 K5618500
0082E2				24059 CRXJQEF DS 0H		R4 K5619000
0082E2	9520 1001	00001		24060 CLI JQETYPE,\$INPUT	IS JOB ON A READER	K5619500
0082E6	4780 847A	08228		24061 BE CRXNXJQE	YES -- DON'T ROUTE IT	K5620000
0082EA	9110 1004	00004		24062 TM JQEFLAGS,QUEPURGE	TEST FOR JOB ON PURGE Q	K5622500
0082EE	4710 847A	08228		24063 BO CRXNXJQE	YES--GET NEXT JOB	K5623000
				24064 \$CFVQE NOK=CRXNXJQE	VERIFY JOB'S OWNERSHIP	K5623500
0082F2				24065+ DS 0H		K1117000
0082F2	45E0 CA62	00A62		24066+ BAL LINK,COFVQE	VERIFY JOB'S OWNERSHIP	K1118000
0082F6	4770 847A	08228		24067+ BNE CRXNXJQE	OWNERSHIP NOT VERIFIED--'NOK'	K1142500
0082FA	BF3F D1E0	001E0		24068 ICM WB,15,CRXCLSPT	TEST FOR CLASSES SUPPLIED	K5626000
0082FE	4770 85A0	0834E		24069 BNZ CRXTSJOE	DO ONLY JOES IF CLASS LIST @OZ29780	K5627000
				24070 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5627500
				24071 *	THIS LINE DELETED BY APAR NUMBER	* @OZ29780 K5628000
008302	9108 D1D8	001D8		24072 TM COMNULOP,CRXPRINT	CHK FOR RE-ROUTING OF PRINT	K5630000
008306	4780 8570	0831E		24073 BZ CRXRPUN	NO--TEST FOR PUNCH RE-ROUTING	K5630500
00830A	D501 100C D1DC	0000C 001DC		24074 CLC JQEPRTRT,CRXOLDRT	SEE IF FROM ID IS OWNER OF PRT	K5631000
008310	4770 8570	0831E		24075 BNE CRXRPUN	NO--MAYBE PUNCH IS TO BE RE-RTD	K5631500
008314	D201 100C D1DE	0000C 001DE		24076 MVC JQEPRTRT,CRXNEWRT	YES--CHANGE PRINT ROUTING	K5632000
00831A	9611 D1D8	001D8		24077 OI COMNULOP,CRXCKPT+CRXMODS	CKPT NEEDED AND CHG MADE	K5632500
00831E				24078 CRXRPUN DS 0H	TEST FOR PUNCH RE-ROUTING	K5633000
00831E	9104 D1D8	001D8		24079 TM COMNULOP,CRXPUNCH	TEST FOR SAID CHANGE	K5633500
008322	4780 8590	0833E		24080 BZ CRXTSTCK	NO--TEST FOR POSSIBLE CKPT	K5634000
008326	D501 100E D1DC	0000E 001DC		24081 CLC JQEPUNRT,CRXOLDRT	TEST FOR FROM ID PUNCH OWNER	K5634500
00832C	4770 8590	0833E		24082 BNE CRXTSTCK	NO--TEST FOR CKPT	K5635000
008330	D201 100E D1DE	0000E 001DE		24083 MVC JQEPUNRT,CRXNEWRT	YES--RE-ROUTE PUNCH ACCORDINGLY	K5635500
008336	9610 D1D8	001D8		24084 OI COMNULOP,CRXMODS	FLAG A MODIFICATION MADE	K5636000
00833A	47F0 8598	08346		24085 B *+12	FORCE CHECKPOINT	K5636500
00833E	9101 D1D8	001D8		24086 CRXTSTCK TM COMNULOP,CRXCKPT	TEST FOR JQE CKPT	K5637000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
008342	4780 85A0	0834E		24087	BZ	CRXTSJOE	NO--LOOK FOR JOES TO CHANGE K5637500
				24088		\$QCKPT (R1)	CHECKPOINT THE JQE K5638000
008346	45E0 B05C	0005C		24089+	BAL	LINK,\$QCKPT	LINK TO CONTROL SERVICE PROGRAM GB010000
00834A	94FE D1D8	001D8		24090	NI	COMNULOP,255-CRXCKPT	RESET CHECKPOINT NECESSARY K5638500
00834E				24091	CRXTSJOE DS	0H	R4 K5639000
00834E	1871			24092	LR	WF,R1	POINT TO JOB QUEUE ELEMENT @OZ29780 K5640000
008350	4560 85AC	0835A		24093	BAL	WE,CRXALLCL	REROUTE ANY READY DATA SETS @OZ29780 K5640500
008354	1817			24094	LR	R1,WF	POINT TO JOB QUEUE ELEMENT @OZ29780 K5641000
008356	47F0 847A	08228		24095	B	CRXNXJQE	GET NEXT JOB @OZ29780 K5641500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24097	*****	@OZ65596 K5648000
				24098	*	* @OZ65596 K5648500
				24099	* TEST FOR JOES BELONGING TO EACH JOE. FOR EACH JOE	* @OZ65596 K5649000
				24100	* THAT MAY BE REROUTED, CONTROL IS PASSED TO THE JOE	* @OZ65596 K5649500
				24101	* MODIFY ROUTINE (CRXCHJOE).	* @OZ65596 K5650000
				24102	*	* @OZ65596 K5650500
				24103	*****	@OZ65596 K5651000
		00000		24105	USING JOTDSECT,R10	SETUP JOT ADDRESS'TY @OZ65596 K5652000
		00000		24106	USING JOEDSECT,WD	SETUP JOE ADDRESS @OZ65596 K5652500
00835A				24108	CRXALLCL DS 0H	@OZ65596 K5653500
00835A	58A0 B23C	0023C		24109	L R10,CDFJOT	POINT R10 TO JOT @OZ65596 K5654000
00835E	4850 1010	00010		24110	LH WD,JOEJOE	GET FIRST JOE OFFSET @OZ65596 K5654500
008362	47F0 85FA	083A8		24111	B CRXAFSTJ	ENTER JOE SCAN LOOP @OZ65596 K5655000
008366	9102 D1D8	001D8		24113	CRXACKJO TM COMNULOP,CRXJOB	'J=' SPECIFIED... @OZ65596 K5656000
00836A	4710 85CA	08378		24114	BO CRXACKQ	YES, SKIP ROUTE CHECK @OZ65596 K5656500
00836E	D501 500C D1DC	0000C 001DC		24115	CLC JOEROUT,CRXOLDRT	JOE MATCH 'R=' OPERAND... @OZ65596 K5657000
008374	4770 85F6	083A4		24116	BNE CRXANXTJ	NO, CHECK NEXT JOE @OZ65596 K5657500
008378	D603 D1E0 D1E0	001E0 001E0		24117	CRXACKQ OC CRXCLSPT,CRXCLSPT	'Q=' SPECIFIED... @OZ65596 K5663000
00837E	4780 85F2	083A0		24118	BZ CRXACHJO	NO, GO MODIFY JOE @OZ65596 K5663500
008382	5830 D1E0	001E0		24120	L WB,CRXCLSPT	PT. TO CLASS LIST @OZ65596 K5664500
008386	D500 5012 3000	00012 00000		24121	CRXANXTC CLC JOECURCL,0(WB)	CLASS MATCH... @OZ65596 K5665000
00838C	4780 85F2	083A0		24122	BE CRXACHJO	YES, GO MODIFY JOE @OZ65596 K5665500
008390	9540 3001	00001		24123	CLI 1(WB),C' '	NO, ANY MORE CLASSES... @OZ65596 K5666000
008394	4780 85F6	083A4		24124	BE CRXANXTJ	NO, GET NEXT JOE @OZ65596 K5666500
008398	4130 3001	00001		24125	LA WB,1(WB)	INCR. TO NEXT CLASS @OZ65596 K5667000
00839C	47F0 85D8	08386		24126	B CRXANXTC	GO CHECK NEXT CLASS @OZ65596 K5667500
0083A0	4520 860A	083B8		24128	CRXACHJO BAL WA,CRXCHJOE	ATTEMPT TO CHANGE ROUTE @OZ65596 K5668500
				24129	*	ON JOE @OZ65596 K5669000
0083A4	4850 5022	00022		24131	CRXANXTJ LH WD,JOEJOE	GET NEXT JOE OFFSET @OZ65596 K5670000
0083A8	5450 88BA	08668		24132	CRXAFSTJ N WD,=F'65535'	CLEAR HIGH BYTES @OZ65596 K5670500
0083AC	0786			24133	BZR WE	RETURN IF END OF CHAIN @OZ65596 K5671000
0083AE	8950 0002	00002		24134	SLL WD,2	EXPAND TO BYTE OFFSET @OZ65596 K5671500
0083B2	1E5A			24135	ALR WD,R10	COMPUTE JOE ADDRESS @OZ65596 K5672000
0083B4	47F0 85B8	08366		24136	B CRXACKJO	GO CHECK NEXT JOE @OZ65596 K5672500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24138	*****	@OZ65596 K5673500
				24139	*	* @OZ65596 K5674000
				24140	* CHECK TO SEE IF A JOE SHOULD BE REROUTED, AND	* @OZ65596 K5674500
				24141	* REQUEUE THE REROUTED JOE.	* @OZ65596 K5675000
				24142	*	* @OZ65596 K5676000
				24143	* ON INPUT, WD POINTS TO THE JOE.	* @OZ65596 K5678000
				24144	*	* @OZ65596 K5678500
				24145	*****	@OZ65596 K5679000
0083B8				24147	CRXCHJOE DS 0H	@OZ65596 K5680000
0083B8	D501 500C D1DE 0000C 001DE			24148	CLC JOEROUT,CRXNEWRT	@OZ65596 K5680500
0083BE	0782			24149	BER WA	@OZ65596 K5681000
0083C0	910C D1D8	001D8		24151	TM COMNULOP,CRXALL	@OZ65596 K5682000
0083C4	4710 8640	083EE		24152	BO CRXCKBSY	@OZ65596 K5682500
0083C8	1F11			24154	SLR R1,R1	@OZ65596 K5684000
0083CA	4310 5012	00012		24155	IC R1,JOECURCL	@OZ65596 K5684500
0083CE	5830 B150	00150		24156	L WB,\$SSVT	@OZ65596 K5685000
0083D2	4111 3354	00354		24157	LA R1,\$SVSCAT-SSVT(R1,WB)	@OZ65596 K5685500
0083D6	9108 D1D8	001D8		24158	TM COMNULOP,CRXPRINT	@OZ65596 K5686000
0083DA	47E0 863A	083E8		24159	BNO CRXCCKPU	@OZ65596 K5686500
0083DE	9180 1000	00000		24160	TM 0(R1),SCATPRNT	@OZ65596 K5687000
0083E2	0782			24161	BZR WA	@OZ65596 K5687500
0083E4	47F0 8640	083EE		24162	B CRXCKBSY	@OZ65596 K5688000
0083E8	9140 1000	00000		24164	CRXCCKPU TM 0(R1),SCATPNCH	@OZ65596 K5689500
0083EC	0782			24165	BZR WA	@OZ65596 K5690000
0083EE	9107 5004	00004		24167	CRXCKBSY TM JOEFLAG,\$JOEBUSY	@OZ65596 K5691500
0083F2	4770 8676	08424		24168	BNZ CRXCJOB	@OZ65596 K5693500
0083F6	910C D1D8	001D8		24170	TM COMNULOP,CRXALL	@OZ65596 K5694500
0083FA	4710 8658	08406		24171	BO CRXCJRER	@OZ65596 K5695000
0083FE	D501 500E 88EC 0000E 0869A			24172	CLC JOEDEST,=H'0'	@OZ65596 K5695500
008404	0772			24173	BNER WA	@OZ65596 K5696000
008406	D201 500C D1DE 0000C 001DE			24175	CRXCJRER MVC JOEROUT,CRXNEWRT	@OZ65596 K5697000
				24176	\$#CKPT JOE=0(WD),TYPE=A	@OZ65596 K5697200
00840C	90E1 B3A0	003A0		24177+	STM R14,R1,\$CSAVREG	@OZ40444 AJ008000
008410	4115 0000	00000		24178+	LA R1,0(WD)	CJ012000
008414	58F0 B078	00078		24179+	L R15,\$JOECKPA	@OZ40444 AJ024000
008418	05EF			24180+	BALR R14,R15	@OZ40444 AJ028000
00841A	98E1 B3A0	003A0		24181+	LM R14,R1,\$CSAVREG	@OZ40444 AJ034000
00841E	9610 D1D8	001D8		24182	OI COMNULOP,CRXMODS	@OZ65596 K5697500
008422	07F2			24183	BR WA	@OZ65596 K5698000
008424	9620 D1D8	001D8		24185	CRXCJOB OI COMNULOP,CRXJOEA	@OZ65596 K5701000
008428	07F2			24186	BR WA	@OZ65596 K5701500
				24188	PRINT OFF	@OZ65596 K5702500
				24207	PRINT ON	@OZ65596 K5733000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24209	*****	K5736500
				24210	*	* K5737000
				24211	* SUBROUTINE TO EXAMINE R=DEST(FROM) AND D=DEST(TO)	* K5737500
				24212	*	* K5738000
				24213	*****	K5738500
00842A				24214	CRXANAL DS 0H START SCAN OF OPERANDS	K5739000
00842A	45E0 C978	00978		24215	BAL LINK,COFRTRA CONVERT ROUTE CODE	R4 K5739500
00842E	47F0 8018	07DC6		24216	B CDMERR ERROR EXIT + 0	R4 K5740000
008432	1901			24217	CR R0,R1 SAME + 4	R4 K5740500
008434	4770 8018	07DC6		24218	BNE CDMERR ERROR IF NOT	R4 K5741000
008438	07F2			24219	BR WA RETURN	R4 K5745500
				24220	*****	K5759500
				24221	*	* K5760000
				24222	* EXAMINE THE FROM JOB OPERAND (J=JN/J=SN/J=TN)	* K5760500
				24223	*	* K5761000
				24224	*****	K5761500
00843A				24225	CRXJANL DS 0H	R4 K5762000
00843A	9180 D1D8	001D8		24226	TM COMNULOP,CRXOP2 OPERAND 2 ALREADY SPECIFIED	R4 K5762500
00843E	4710 8018	07DC6		24227	BO CDMERR ERROR IF YES	R4 K5763000
008442	957D 3002	00002		24228	CLI 2(WB),C'''' IS THIS A J='JOBNAME' OPERAND	R4 K5763500
008446	4770 86D6	08484		24229	BNE CRXJJNOV GO TO VALIDATE JOB NO. IF NOT	R4 K5764000
00844A	4130 3002	00002		24230	LA WB,2(,WB) STEP WB TO START OF 'JOBNAME'	R4 K5764500
00844E	5840 5004	00004		24231	L WC,4(,WD) POINT 2 BYTES PAST END-OF-OPERAND	R4 K5765000
008452	0640			24232	BCTR WC,0 BACK UP TO END	R4 K5765500
008454	0640			24233	BCTR WC,0 OF OPERAND	R4 K5766000
008456	957D 4000	00000		24234	CLI 0(WC),C'''' DOES OPERAND END WITH APOSTROPHE	R4 K5766500
00845A	4770 86B2	08460		24235	BNE SKIP480 SKIP NSI IF NOT	R4 K5767000
00845E	0640			24236	BCTR WC,0 POINT TO LAST CHAR OF JOBNAME	R4 K5767500
008460	1B43			24237	SKIP480 SR WC,WB COMPUTE LENGTH OF JOBNAME	R4 K5768000
008462	47D0 8018	07DC6		24238	BNP CDMERR ERROR EXIT IF NOT POSITIVE	R4 K5768500
008466	0640			24239	BCTR WC,0 GET MACHINE LENGTH	R4 K5769000
008468	4100 0007	00007		24240	LA R0,7 SET R0 = MAXIMUM MACHINE LENGTH	R4 K5769500
00846C	1940			24241	CR WC,R0 IS JOBNAME LENGTH TOO LONG	R4 K5770000
00846E	47D0 86C6	08474		24242	BNH SKIP490 SKIP NSI IF NOT	R4 K5770500
008472	1840			24243	LR WC,R0 SET TO MOVE MAXIMUM LENGTH	R4 K5771000
008474	D207 D17E 887A	0017E 08628		24244	SKIP490 MVC COMJNAME,=CL8' ' BLANK OUT JOBNAME WORKAREA	R4 K5771500
00847A	4440 8752	08500		24245	EX WC,CRXJNMVC MOVE JOBNAME TO WORKAREA	R4 K5772000
00847E	1F00			24246	SLR R0,R0 SET R0 (JOB NUMBER) TO ZERO	R4 K5772500
008480	47F0 8708	084B6		24247	B CRXJXIT GO TO SET COMNULOP FLAGS AND EXIT	R4 K5773000
008484				24248	CRXJJNOV DS 0H VALIDATE JOB NO.	R4 K5773500
008484	1F44			24249	SLR WC,WC SET BATCH JOB VALUE	K5774000
008486	95D1 3002	00002		24250	CLI 2(WB),C'J' TEST FOR BATCH JOB	R4 K5774500
00848A	4780 86F6	084A4		24251	BE CRXCVB YES--GET JOB NUMBER	K5775000
00848E	4A40 88C4	08672		24252	AH WC,=H'10000' SET STC OFFSET VALUE	K5777500
008492	95E2 3002	00002		24253	CLI 2(WB),C'S' TEST FOR SYSTEM STARTED TASK	R4 K5778000
008496	4780 86F6	084A4		24254	BE CRXCVB YES--GET STC NUMBER	K5778500
00849A	1E44			24255	ALR WC,WC SET TSU OFFSET VALUE	K5779000
00849C	95E3 3002	00002		24256	CLI 2(WB),C'T' TEST FOR TIME SHARING USER	R4 K5779500
0084A0	4770 8018	07DC6		24257	BNE CDMERR ERROR IF NOT	R4 K5780000
0084A4				24258	CRXCVB DS 0H	R4 K5780500
				24259	\$CFCVB POINTER=(WD),NUM=1,NOK=CDMERR DO IT	K5781000
0084A4				24260+	DS 0H	Z0006000
0084A4	1815			24261+	LR R1,WD	CJ018000
0084A6	45E0 C456	00456		24262+	BAL LINK,COFCVB CONVERT NUMBERS TO BINARY	K0193500
0084AA	47F0 8018	07DC6		24263+	B CDMERR BRANCH IF OPERAND INVALID	K0196500
0084AE	1200			24264	LTR R0,R0 RESULT ZERO	R4 K5781500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
0084B0	4780 8018	07DC6		24265	BZ	CDMERR	ERROR IF YES R4 K5782000
0084B4	1E04			24266	ALR	R0,WC	COMPUTE TRUE TASK NUMBER K5782500
0084B6				24267	CRXJXIT DS	0H	SET COMNULOP FLAGS AND EXIT R4 K5783000
0084B6	9682 D1D8	001D8		24268	OI	COMNULOP,CRXJOB+CRXOP2	SET SECOND OPERAND IS JOB R4 K5783500
0084BA	4000 D1DC	001DC		24269	STH	R0,CRXJOBNO	SET JOB NUMBER R4 K5784000
0084BE	47F0 83F2	081A0		24270	B	CRXNXTOP	DO NEXT OPERAND R4 K5784500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24272	*****	K5785500
				24273	*	* K5786000
				24274	* EXTRACT Q= OPERAND IF SUPPLIED	* K5786500
				24275	*	* K5787000
				24276	*****	K5787500
0084C2				24277	CRXQANL DS 0H	K5788000
0084C2	5840 5004	00004		24278	L WC,4(,WD) POINT TO OPERAND END	K5788500
0084C6	4140 4000	00000		24279	LA WC,0(,WC) CLEAR HI-ORDER FLAG BYTE	K5789000
0084CA	1F43			24280	SLR WC,WB COMPUTE SIZE OF OPERAND	K5789500
0084CC	4B40 88EE	0869C		24281	SH WC,=H'4' LESS FOUR FOR 'Q=' AND MACH.	K5790000
0084D0	4740 8018	07DC6		24282	BM CDMERR NOT PRESENT -- ERROR	K5790500
0084D4	58E0 88BE	0866C		24283	L R14,=A(CVALIDTB) POINT TO TEST TABLE	R4 K5791000
0084D8	4440 874C	084FA		24284	EX WC,CRXVALID TEST FOR VALID STRING	K5791500
0084DC	4770 8018	07DC6		24285	BNZ CDMERR INVALID CHARACTERS -- ERROR	K5792000
0084E0	910C D1D8	001D8		24286	TM COMNULOP,CRXALL TEST FOR TYPE OF ALL	K5792500
0084E4	47E0 8018	07DC6		24287	BNO CDMERR IF NOT -- 'Q=' IS INVALID	K5793000
0084E8	4100 3002	00002		24288	LA R0,2(,WB) POINT TO FIRST CHAR IN STRING	K5793500
0084EC	1E40			24289	ALR WC,R0 COMPUTE END OF STRING - 1	K5794000
0084EE	9240 4001	00001		24290	MVI 1(WC),C' ' TRUNCATE STRING	K5794500
0084F2	BE0F D1E0	001E0		24291	STCM R0,15,CRXCLSPT SET CLASS STRING POINTER	R4 K5795000
0084F6	47F0 83F2	081A0		24292	B CRXNXTOP LOOK AT NEXT OPERAND	R4 K5795500
0084FA	DD00 3002 E000 00002 00000			24294	CRXVALID TRT 2(*-,WB),0(R14) *** EXECUTE ONLY ***	R4 K5796500
008500	D200 D17E 3001 0017E 00001			24295	CRXJNMVC MVC COMJNAME(*-),1(WB) *** EXECUTE ONLY ***	R4 K5797000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
				24297	*****		K5798000
				24298	*		* K5798500
				24299	* CRXMULTI - COME HERE IF J=JOBNAME OPERAND WAS USED ON \$R		* K5799000
				24300	* COMMAND AND JOB NAME IS NOT UNIQUE. PUT OUT		* K5799500
				24301	* 'MULTIPLE JOBS FOUND' MSG AND DISPLAY THE JOBS.		* K5800000
				24302	*		* K5800500
				24303	*****		K5801000
008506				24304	CRXMULTI DS 0H	R4	K5801500
008506	D212 D0B6 8910	000B6	086BE	24305	MVC COMMAND(19),=C'MULTIPLE JOBS FOUND' MOVE MSG	R4	K5802000
00850C	4100 0013	00013		24306	LA R0,19 MSG LENGTH	R4	K5802500
				24307	\$CWTO L=(R0) SEND MSG	R4	K5803000
008510				24308+	DS 0H		Z0006000
008510	4520 C07A	0007A		24309+	BAL WA,CWTO REPLY TO OPERATOR		K0161500
				24310	* SCAN FOR AND DISPLAY JOBS	R4	K5803500
				24311	\$CFJSCAN PROCESS=CRXMJPRO,NEXT=CRXMJNXT	R4	K5804000
				24312+	*****		K1045000
				24313+	* SCAN JOB QUEUE FOR SELECTED JOBS		* K1045500
				24314+	*****		K1046000
008514	41F0 005E	0005E		24315+	LA R15,\$JQTYPES*2 NO. OF JOB QUEUES (TIMES 2) @OZ29819	R4	K1048600
008518	40F0 D08A	0008A		24316+	CJS1165A STH R15,COMJQHDS SAVE JOB QUEUE HEADER INDEX	R4	K1049500
00851C	411F B54E	0054E		24317+	LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE	R4	K1050000
008520	4810 1006	00006		24318+	CRXMJNXT LH R1,JQECHAIN GET OFFSET OF NEXT JQE	R4	K1055500
008524	5410 8896	08644		24319+	N R1,=A(X'0000FFFF') INSURE OFFSET POSITIVE	R4	K1056000
008528	4780 878A	08538		24320+	BZ CJS1165C BR IF END OF QUEUE	R4	K1056500
00852C	8910 0002	00002		24321+	SLL R1,2 GET TRUE	R4	K1057000
008530	5E10 B1C0	001C0		24322+	AL R1,\$JOBQPTR JQE ADDRESS	R4	K1057500
008534	47F0 8798	08546		24323+	B CRXMJPRO AND ENTER PROCESS ROUTINE	R4	K1058000
008538	48F0 D08A	0008A		24324+	CJS1165C LH R15,COMJQHDS GET CURRENT JOB QUEUE HDR INDEX	R4	K1059000
00853C	06F0			24325+	BCTR R15,0 REDUCE OFFSET BY 1	R4	K1059500
00853E	46F0 876A	08518		24326+	BCT R15,CJS1165A BR IF ANOTHER JOB QUEUE	R4	K1061500
008542	47F0 880E	085BC		24327	B CRXRET RETURN (DISPLAYS COMPLETE)	R4	K5804500
				24328	CRXMJPRO NULL ,	R4	K5805000
008546				24329+	CRXMJPRO DS 0H		Z0006000
008546	D507 1014 D17E	00014	0017E	24330	CLC JQEJNAME,COMJNAME JQE JOBNAME = CMD JOBNAME	R4	K5805500
00854C	4770 8772	08520		24331	BNE CRXMJNXT CONTINUE SCAN IF NOT	R4	K5806000
008550	1831			24332	LR WB,R1 SAVE JQE ADR	R4	K5806500
				24333	\$CFJMSG JOBQE=(R1),TYPE=CALL DISPLAY JOB INFORMATION	R4	K5807000
008552	92FF D117	00117		24334+	MVI COFOPT,COFU SET OPTION		K0750000
008556	927F D118	00118		24335+	MVI COFAFF,X'7F' SET FOR ALL SYSTEMS ACTIVE		K0751500
00855A	58A0 88AE	0865C		24336+	L R10,=A(COFJMSG) POINT TO SERVICE ROUTINE	R4	K0752500
00855E	052A			24337+	BALR WA,R10 CALL JOB INFORMATION MSG ROUTINE	R4	K0753000
				24338	*****		K5807500
				24339	*		* K5808000
				24340	* USING \$CFJSCAN MACRO, TRY TO RETRACE CHAIN BACK TO SAME		* K5808500
				24341	* JQE. IF FOUND, AND ON THE SAME QUEUE, WE CAN CONTINUE		* K5809000
				24342	* OUR ORIGINAL SCAN LOOKING FOR DUPLICATE JOBS TO DISPLAY.		* K5809500
				24343	* IF NOT FOUND OR ON ANOTHER QUEUE, MSG = 'LIST INCOMPLETE.'		* K5810000
				24344	*		* K5810500
				24345	*****		K5811000
				24346	\$CFJSCAN PROCESS=CRXMJCHK,NEXT=CRXMJX,STORE=NO	R4	K5811500
				24347+	*****		K1045000
				24348+	* SCAN JOB QUEUE FOR SELECTED JOBS		* K1045500
				24349+	*****		K1046000
008560	41F0 005E	0005E		24350+	LA R15,\$JQTYPES*2 NO. OF JOB QUEUES (TIMES 2) @OZ29819	R4	K1048600
008564	411F B54E	0054E		24351+	CJS1172A LA R1,\$JQHEADS-2-QUECHAIN(R15) POINT TO NEXT JOB QUEUE	R4	K1051500
008568	4810 1006	00006		24352+	CRXMJX LH R1,JQECHAIN GET OFFSET OF NEXT JQE	R4	K1055500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59 01/28/22
00856C	5410 8896	08644		24353+	N	R1,=A(X'0000FFFF')	INSURE OFFSET POSITIVE R4 K1056000
008570	4780 87D2	08580		24354+	BZ	CJS1172C	BR IF END OF QUEUE R4 K1056500
008574	8910 0002	00002		24355+	SLL	R1,2	GET TRUE R4 K1057000
008578	5E10 B1C0	001C0		24356+	AL	R1,\$JOBQPTR	JQE ADDRESS R4 K1057500
00857C	47F0 87EA	08598		24357+	B	CRXMJCHK	AND ENTER PROCESS ROUTINE R4 K1058000
008580	06F0			24358+	CJS1172C	BCTR R15,0	REDUCE OFFSET BY 1 R4 K1061000
008582	46F0 87B6	08564		24359+	BCT	R15,CJS1172A	BR IF ANOTHER JOB QUEUE R4 K1061500
008586				24360	CRXNOFND	DS 0H	R4 K5812000
008586	D20E D0B6 8923	000B6	086D1	24361	MVC	COMMAND(15),=C'LIST INCOMPLETE'	MOVE MSG R4 K5812500
00858C	4100 000F	0000F		24362	LA	R0,15	MSG LENGTH R4 K5813000
				24363	\$CWTO	L=(R0)	SEND MSG R4 K5813500
008590				24364+	DS	0H	Z0006000
008590	4520 C07A	0007A		24365+	BAL	WA,CWTO	REPLY TO OPERATOR K0161500
008594	47F0 880E	085BC		24366	B	CRXRET	RETURN R4 K5814000
				24367	CRXMJCHK	NULL ,	COME HERE TO CHECK JQE R4 K5814500
008598				24368+	CRXMJCHK	DS 0H	Z0006000
008598	1913			24369	CR	R1,WB	IS THIS THE SAME JQE AS DISPLAYED R4 K5815000
00859A	4770 87BA	08568		24370	BNE	CRXMJX	GO TO CHECK NEXT JQE IF NOT R4 K5815500
00859E	49F0 D08A	0008A		24371	CH	R15,COMJQHDS	IS JOB STILL ON SAME QUEUE R4 K5816000
0085A2	4770 87D8	08586		24372	BNE	CRXNOFND	IF NOT,CHAIN BROKEN, BRANCH R4 K5816500
0085A6	47F0 8772	08520		24373	B	CRXMJNXT	OTHERWISE, CONTINUE ORIG JOB SCAN R4 K5817000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24375	*****	K5818000
				24376	* EQUATES FOR \$ROUTE COMMAND *	K5818500
				24377	*****	K5819000
		00080		24378	CRXOP2 EQU X'80' OPERAND 2 IS PRESENT R4	K5819500
		00040		24379	CRXOP3 EQU X'40' OPERAND 3 IS PRESENT R4	K5820000
		00008		24380	CRXPRINT EQU X'08' TYPE IS PRINT	K5820500
		00004		24381	CRXPUNCH EQU X'04' TYPE IS PUNCH	K5821000
		0000C		24382	CRXALL EQU CRXPRINT+CRXPUNCH TYPE IS ALL	K5821500
		00002		24383	CRXJOB EQU X'02' FROM ID IS A JOB	K5822000
		00001		24384	CRXCKPT EQU X'01' A CHECKPOINT OF THE JOE IS NEED	K5824000
		00020		24385	CRXJOEA EQU X'20' AT LEAST ONE ELIGIBLE JOE IS ACTIVE	K5824500
		00010		24386	CRXMODS EQU X'10' MODIFICATION HAS BEEN MADE	K5825000
		001DC		24388	CRXWORKA EQU COMREGSV,8 \$ROUTE COMMAND WORK AREA R4	K5826000
		001DC		24389	CRXOLDRT EQU COMREGSV,2 SAVE AREA FOR OLD ROUTE CODE R4	K5826500
		001DC		24390	CRXJOBNO EQU COMREGSV,2 SAVE AREA FOR JOB, STC, TSU NO. R4	K5827000
		001DE		24391	CRXNEWRT EQU COMREGSV+2,2 SAVE AREA FOR NEW ROUTE CODE R4	K5827500
		001E0		24392	CRXCLSPT EQU COMREGSV+4,4 SAVE AREA FOR CLASS STRING PTR R4	K5828000
				24394	*****	K5829000
				24395	* \$ROUTE EXITS *	K5829500
				24396	*****	K5830000
0085AA				24397	CRXJNFND DS 0H COME HERE IF JOB NOT FOUND	K5830500
				24398	\$CRET MSG='JOB(S) NOT FOUND'	K5831000
0085AA				24399+	DS 0H	Z0006000
0085AA	D20F D0B6 8882	000B6	08630	24400+	MVC COMMAND(16),=C'JOB(S) NOT FOUND'	K0131000
0085B0	4100 0010	00010		24401+	LA R0,16 SET LENGTH OF MSG IN R0	K0131500
0085B4	41F0 0008	00008		24402+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0085B8	47F0 C1AC	001AC		24403+	B CORET RETURN	K0137500
0085BC				24405	CRXRET DS 0H RETURN EXIT	K5832000
0085BC	9120 D1D8	001D8		24406	TM COMNULOP,CRXJOEA ANY ACTIVE JOES ELIGIBLE @OZ29780	K5833000
0085C0	4780 882C	085DA		24407	BZ CRXRETA SKIP NEXT @OZ29780	K5833500
				24408	\$POST \$HASPECF,(JOB,JOT) POST JOB AND JOT @OZ29780	K5834000
				24409+*	THIS CARD DELETED BY APAR @OZ27300	FX120000
0085C4	945F B4B1	004B1		24410+	NI \$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT RESET EVENTS	FX152000
				24411	\$CRET MSG='ACTIVE DATA SETS NOT ROUTED' @OZ29780	K5834500
0085C8				24412+	DS 0H	Z0006000
0085C8	D21A D0B6 8932	000B6	086E0	24413+	MVC COMMAND(27),=C'ACTIVE DATA SETS NOT ROUTED'	K0131000
0085CE	4100 001B	0001B		24414+	LA R0,27 SET LENGTH OF MSG IN R0	K0131500
0085D2	41F0 0008	00008		24415+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
0085D6	47F0 C1AC	001AC		24416+	B CORET RETURN	K0137500
0085DA				24417	CRXRETA DS 0H @OZ29780	K5835000
0085DA	9110 D1D8	001D8		24418	TM COMNULOP,CRXMODS TEST FOR ANY CHANGES	K5836000
0085DE	4780 8844	085F2		24419	BZ CRXMSG NONE -- TELL OPERATOR SUCH	K5836500
				24420	\$POST \$HASPECF,(JOB,JOT) POST JOB AND JOT	K5837000
				24421+*	THIS CARD DELETED BY APAR @OZ27300	FX120000
0085E2	945F B4B1	004B1		24422+	NI \$HASPECF+\$EWBJOB,255-\$EWFJOB-\$EWFJOT RESET EVENTS	FX152000
0085E6	9684 B220	00220		24423	OI \$AQSE,QSEPJOB+QSEPJOT CAUSE X SYSTEM POST(S)	K5837500
				24424	\$CRET MSG=OK RETURN 'OK'	K5838000
0085EA				24425+	DS 0H	Z0006000
0085EA	41F0 0004	00004		24426+	LA R15,CORTOK RETURN AND ISSUE OK MESSAGE	K0136000
0085EE	47F0 C1AC	001AC		24427+	B CORET RETURN	K0137500
0085F2				24428	CRXMSG DS 0H NO RE-ROUTING OF DATA SETS	K5838500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24429	\$CRET MSG='NO DATA SETS RE-ROUTED'	K5839500
0085F2				24430+	DS 0H	Z0006000
0085F2	D215 D0B6 88F0	000B6	0869E	24431+	MVC COMMAND(22),=C'NO DATA SETS RE-ROUTED'	K0131000
0085F8	4100 0016	00016		24432+	LA R0,22 SET LENGTH OF MSG IN R0	K0131500
0085FC	41F0 0008	00008		24433+	LA R15,CORTMSG RETURN AND ISSUE MESSAGE	K0133000
008600	47F0 C1AC	001AC		24434+	B CORET RETURN	K0137500
008604	C1C2C3C4C5C6C7C8			24436	CRXCLASS DC C'ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789'	@OZ29780 K5842500
008628				24437	LTORG ,	K5843500
008628	4040404040404040			24438	=CL8' '	
008630	D1D6C24DE25D40D5			24439	=C'JOB(S) NOT FOUND'	
008640	C34040F0			24440	=C'C 0'	
008644	0000FFFF			24441	=A(X'0000FFFF')	
008648	40D4E4D3E3C9D7D3			24442	=C' MULTIPLE JOBS FOUND'	
00865C	00001426			24443	=A(COFJMSG)	
008660	00000007			24444	=A(QUEBUSY)	
008664	D9202120			24445	=X'D9202120'	
008668	0000FFFF			24446	=F'65535'	
00866C	00001A48			24447	=A(CVALIDTB)	
008670	D6D2			24448	=C'OK'	
008672	2710			24449	=H'10000'	
008674	0003			24450	=H'3'	
008676	40D1D6C240D5D6E3			24451	=C' JOB NOT FOUND'	
008684	40D1D6C240D5D6E3			24452	=C' JOB NOT EXECUTING ON '	
00869A	0000			24453	=H'0'	
00869C	0004			24454	=H'4'	
00869E	D5D640C4C1E3C140			24455	=C'NO DATA SETS RE-ROUTED'	
0086B4	80			24456	=X'80'	
0086B5	C1D3D3			24457	=C'ALL'	
0086B8	D7D9E3			24458	=C'PRT'	
0086BB	D7E4D5			24459	=C'PUN'	
0086BE	D4E4D3E3C9D7D3C5			24460	=C'MULTIPLE JOBS FOUND'	
0086D1	D3C9E2E340C9D5C3			24461	=C'LIST INCOMPLETE'	
0086E0	C1C3E3C9E5C540C4			24462	=C'ACTIVE DATA SETS NOT ROUTED'	
				24463	DROP R1	R4 K5844000
				24464	DROP WD	R4 K5844500
				24465	DROP R10	R4 K5845000
				24466	PRINT &DATA DEFINE PRINTING FOR LITERALS	K5845500
				24467+	PRINT NODATA DEFINE PRINTING FOR LITERALS	K5845500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
001A46				24469	HASPCOMM CSECT	K5847000
001A48				24470	LTORG ,	K5847500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
		01A48	24472	CVALIDTB	EQU *	K5849000
001A48	0101010101010101		24473	DC	19X'01' X'00'-X'C0' INVALID	K5849500
001B09	0000000000000000		24474	DC	9X'00' X'C1'-X'C9' VALID (A-I)	K5850000
001B12	0101010101010101		24475	DC	7X'01' X'CA'-X'D3' INVALID	K5850500
001B19	0000000000000000		24476	DC	9X'00' X'D1'-X'D9' VALID (J-R)	K5851000
001B22	0101010101010101		24477	DC	8X'01' X'DA'-X'E1' INVALID	K5851500
001B2A	0000000000000000		24478	DC	8X'00' X'E2'-X'E9' VALID (S-Z)	K5852000
001B32	0101010101010101		24479	DC	6X'01' X'EA'-X'EF' INVALID	K5852500
001B38	0000000000000000		24480	DC	10X'00' X'F0'-X'F9' VALID (0-9)	K5853000
001B42	0101010101010101		24481	DC	6X'01' X'FA'-X'FF' INVALID	K5853500
		01B48	24483	CVALTABL	EQU *	R4 K5854500
001B48	0101010101010101		24484	DC	75X'01' X'00'-X'4A' INVALID	R4 K5855000
001B93	00		24485	DC	X'00' X'4B' VALID (.)	R4 K5855500
001B94	0101010101010101		24486	DC	15X'01' X'4C'-X'5A' INVALID	R4 K5856000
001BA3	00		24487	DC	X'00' X'5B' VALID (\$)	R4 K5856500
001BA4	0101010101010101		24488	DC	31X'01' X'5C'-X'7A' INVALID	R4 K5857000
001BC3	0000		24489	DC	2X'00' X'7B',X'7C' VALID (#,@)	@OZ18216 K5857500
001BC5	0101010101010101		24490	DC	68X'01' X'7D'-X'C0' INVALID	@OZ18216 K5858000
001C09	0000000000000000		24491	DC	9X'00' X'C1'-X'C9' VALID (A-I)	R4 K5858500
001C12	0101010101010101		24492	DC	7X'01' X'CA'-X'D0' INVALID	R4 K5859000
001C19	0000000000000000		24493	DC	9X'00' X'D1'-X'D9' VALID (J-R)	R4 K5859500
001C22	0101010101010101		24494	DC	8X'01' X'DA'-X'E1' INVALID	R4 K5860000
001C2A	0000000000000000		24495	DC	8X'00' X'E2'-X'E9' VALID (S-Z)	R4 K5860500
001C32	0101010101010101		24496	DC	6X'01' X'EA'-X'EF' INVALID	R4 K5861000
001C38	0000000000000000		24497	DC	10X'00' X'F0'-X'F9' VALID (0-9)	R4 K5861500
001C42	0101010101010101		24498	DC	6X'01' X'FA'-X'FF' INVALID	R4 K5862000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
24500	*				*****	K5863000
24501	*				*	K5863500
24502	*				\$JCAN -- JOB CANCEL SERVICE ROUTINE	* K5864000
24503	*				*	* K5864500
24504	*				FUNCTIONS	* K5865000
24505	*				*	* K5865500
24506	*				(1) REJECT ATTEMPTS TO CANCEL OR STOP STC OR TSU JOBS	* K5866000
24507	*				PRIOR TO EXECUTION.	* K5866500
24508	*				*	* K5867000
24509	*				(2) PURGE HQRS FOR STOP JOB AND CANCEL WITH PURGE REQUESTS.	* K5867500
24510	*				*	* K5868000
24511	*				(3) PURGE JOES FOR STOP JOB AND CANCEL WITH PURGE REQUESTS.	* K5868500
24512	*				*	* K5869000
24513	*				(4) ISSUE SVC 34 TO CANCEL JOB IF REQUIRED.	* K5869500
24514	*				*	* K5870000
24515	*				(5) DELET ACTIVITY ON HASP READERS FOR CANCEL REQUESTS	* K5870500
24516	*				AND ON HASP PRINTERS AND PUNCHES FOR CANCEL WITH PURGE	* K5871000
24517	*				REQUESTS.	* K5871500
24518	*				*	* K5872000
24519	*				(6) FORCE CHECKPOINT IF JQE HAS AN OWNER AND \$QPUT TO	* K5872500
24520	*				\$OUTPUT, \$HARDCPY, OR \$PURGE IF NO OWNER.	* K5873000
24521	*				*	* K5873500
24522	*				(7) IGNORE ATTEMPTS TO CANCEL OUTPUT FOR JOB IF CANCEL	* K5874000
24523	*				WITHOUT PURGE IS REQUESTED.	* K5874500
24524	*				*	* K5875000
24525	*				(8) SIGNAL USER TO WAIT ON CHECKPOINT IF ACTIVE.	* K5875500
24526	*				*	* K5876000
24527	*				INPUT REGISTERS	* K5876500
24528	*				*	* K5877000
24529	*				R0 = REQUEST CODE	* K5877500
24530	*				R1 = JQE ADDRESS	* K5878000
24531	*				R11 = BASE1 (HCT)	* K5878500
24532	*				R13 = PCE ADDRESS (CALLERS)	* K5879000
24533	*				R14 = RETURN (RETURN WILL BE TO R14 + R15)	* K5879500
24534	*				R15 = ENTRY BASE	* K5880000
24535	*				*	* K5880500
24536	*				OUTPUT REGISTERS	* K5881000
24537	*				*	* K5881500
24538	*				R0-R14= UNCHANGED	* K5882000
24539	*				R15 = RETURN CODE (OFFSET TO R14 FOR RETURN)	* K5882500
24540	*				*	* K5883000
24541	*				= 0 - STC OR TSU CANCEL EXECUTION REQUEST REJECTED	* K5883500
24542	*				= 4 - CANCEL IGNORED FOR JOB IN OUTPUT	* K5884000
24543	*				= 8 - JQE FLAGGED FOR CANCEL AS REQUESTED	* K5884500
24544	*				*	* K5885000
24545	*				*****	* K5885500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
001C48				24547	\$JCANR DS 0H	K5886500
			01C48	24548	USING *,R15	K5887000
001C48	900E B330	00330		24549	STM R0,R14,CCJSAVE SAVE USER REGISTERS	K5887500
001C4C	188F			24550	LR R8,R15 ESTABLISH WORKING BASE	K5888000
			01C48	24551	USING \$JCANR,R8	K5888500
			00000	24552	USING JQEDSECT,R1	K5889000
				24553	DROP R15	K5889500
001C4E	1861			24554	LR WE,R1 SAVE JQE ADDRESS	K5890000
001C50	1F33			24555	SLR WB,WB CLEAR SJB ADDRESS REGISTER R41	K5890200
001C52	4170 0000	00000		24556	LA WF,CCJXNJ SET NOT JOB ERROR RETURN CODE	K5890500
001C56	D501 1002 824E	00002 01E96		24557	CLC JQEJOBNO,CCJJMAX CHECK FOR ABOVE BATCH JOB NUMBERS	K5891000
001C5C	4740 802C	01C74		24558	BL CCJB DO CANCEL FOR JOBS	K5891500
001C60	9140 1001	00001		24559	TM JQETYPE,\$XEQ IS IT IN OR PRIOR TO XEQ	K5892000
001C64	4710 8208	01E50		24560	BO CCJRET RETURN 'NOTJOB' IF YES	K5892500
001C68	9520 1001	00001		24561	CLI JQETYPE,\$INPUT IS TSU OR STC ON A READER	K5895000
001C6C	4780 8208	01E50		24562	BE CCJRET RETURN 'NOTJOB' IF YES	K5895500
001C70	47F0 8080	01CC8		24563	B CCJB1 ELSE CONTINUE R41	K5897800
				24565	*****	K5898100
				24566	*	* K5898200
				24567	* CHECK FOR 'NON-CANCELABLE' BATCH JOB ATTRIBUTE	* K5898300
				24568	*	* K5898400
				24569	*****	K5898500
		00000		24571	USING PITDSECT,WC PROVIDE PIT ADDRESSABILITY R41	K5898700
001C74	9140 1001	00001		24573	CCJB TM JQETYPE,\$XEQ XEQ OR CONVERTER... R41	K5898900
001C78	4780 8080	01CC8		24574	BZ CCJB1 BR IF NO R41	K5899000
001C7C	9107 1004	00004		24575	TM JQEFLAGS,QUEBUSY IS JOB ACTIVE... R41	K5899100
001C80	4780 8080	01CC8		24576	BZ CCJB1 BR IF NO R41	K5899200
001C84	9540 1001	00001		24577	CLI JQETYPE,\$XEQ CONVERTING... R41	K5899300
001C88	4780 8080	01CC8		24578	BE CCJB1 BR IF YES R41	K5899400
001C8C	1801			24579	LR R0,R1 RELOAD JQE ADDRESS @OZ40028	K5899420
001C8E	5F00 B1C0	001C0		24580	SL R0,\$JOBQPTR REDUCE ADDRESS TO OFFSET @OZ40028	K5899440
001C92	5840 B238	00238		24581	L WC,\$PITABLE POINT TO PITS R41	K5899500
001C96	9120 4008	00008		24583	CCJPIT1 TM PITSTAT,PITBUSY IS PIT ACTIVE... R41	K5899700
001C9A	4710 8062	01CAA		24584	BO CCJSJB BR IF YES R41	K5899800
001C9E	BF4F 4000	00000		24586	CCJPIT2 ICM WC,15,PITNEXT POINT TO NEXT PIT R41	K5900000
001CA2	4780 8080	01CC8		24587	BZ CCJB1 BR IF END OF PITS R41	K5900100
001CA6	47F0 804E	01C96		24588	B CCJPIT1 ELSE TEST NEW PIT R41	K5900200
		00000		24590	USING SJBDSECT,WD PROVIDE SJB ADDRESSABILITY R41	K5900400
001CAA	5850 4004	00004		24592	CCJSJB L WD,PITSJB POINT TO SJB R41	K5900600
001CAE	BD07 506D	0006D		24593	CLM R0,7,SJBJQOFF+1 TEST JQE OFFSET @OZ40028	K5900700
001CB2	4770 8056	01C9E		24594	BNE CCJPIT2 TRY NEXT PIT IF NO R41	K5900800
001CB6	1835			24595	LR WB,WD SAVE SJB ADDRESS R41	K5900900
001CB8	BF5F 50A8	000A8		24596	ICM WD,15,SJBCSCB POINT TO CSCB R41	K5901000
001CBC	4780 8080	01CC8		24597	BZ CCJB1 BR IF NO CSCB R41	K5901100
		00000		24599	USING CSCDSECT,WD PROVIDE CSCB ADDRESSABILITY R41	K5901300
001CC0	9108 5007	00007		24601	TM CHACT,CHCL IS JOB CANCELABLE... R41	K5901500
001CC4	4780 8208	01E50		24602	BZ CCJRET RETURN 'NOTJOB' IF NO R41	K5901600

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24604	DROP WD	DROP CSCB ADDRESSABILITY R41 K5901800

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
001CC8	5030 B36C	0036C		24606	CCJB1 ST WB,CCJSJBAD SAVE SJB ADDRESS	R41 K5902000
001CCC	9103 B333	00333		24607	TM CCJR,CCJRSTOP+CCJRPURG \$C ONLY...	R41 K5902100
001CD0	4780 8212	01E5A		24608	BZ CCJC BRANCH IF \$C ONLY	K5902200
001CD4	941F 1004	00004		24609	NI JQEFLAGS,255-QUEHOLDA-QUEHOLD1-QUEHOLD2 RESET HOLD	K5902300
001CD8	9610 1004	00004		24610	OI JQEFLAGS,QUEPURGE SET PURGE FOR \$CJ,P AND \$PJ	K5902400
001CDC	9101 B333	00333		24611	TM CCJR,CCJRPURG TEST FOR \$CJ,P ONLY	K5902500
001CE0	4780 80A0	01CE8		24612	BZ *+8 NO--SKIP SETTING QUEOPCAN	K5902600
001CE4	9608 1004	00004		24613	OI JQEFLAGS,QUEOPCAN SET OPERATOR CANCEL	K5902700
				24614	*****	K5902800
				24615	*	* K5902900
				24616	* PURGE ANY HELD DATA SETS	* K5903000
				24617	*	* K5903100
				24618	*****	K5903500
001CE8	4830 1012	00012		24620	LH WB,JQEHLDC PICK-UP HOLD COUNT	K5904500
001CEC	1233			24621	LTR WB,WB TEST FOR ANY	K5905000
001CEE	4780 8132	01D7A		24622	BZ CCJNOHLD NONE--EXIT DELETION ROUTINE	K5905500
001CF2	1841			24623	LR WC,R1 SAVE JQE ADDRESS OVER GETMAIN	K5906000
001CF4	4170 0004	00004		24624	LA WF,CCJXNOP SET POSSIBLE NOP FOR NO STORAGE	K5906500
				24625	GETMAIN RC,LV=PSOLNGTH,SP=0 GET STORAGE FOR PSO ELEMENT	K5907000
001CF8				24626+	CNOP 0,4	
001CF8	47F0 80BC	01D04		24627+	B *+12-4*0-2*0 BRANCH AROUND DATA	
001CFC	00000128			24628+	DC A(PSOLNGTH) LENGTH	
001D00	00			24629+IHB1189F	DC AL1(0) RESERVED	
001D01	00			24630+	DC AL1(0) RESERVED	
001D02	00			24631+	DC AL1(0) SUBPOOL	
001D03	00			24632+	DC BL1'00000000' MODE BYTE *MVS380*	
001D04	5800 80B4	01CFC		24633+	L 0,*-8+2*0 LOAD LENGTH	
001D08	58F0 80B8	01D00		24634+	L 15,IHB1189F LOAD GETMAIN PARMS	
001D0C	1B11			24635+	SR 1,1 ZERO RESERVED REG 1	
001D0E	0A78			24636+	SVC 120 ISSUE GETMAIN SVC	
001D10	1821			24638	LR R2,R1 RELOAD PSO ADDRESS (IF ANY)	R41 K5908000
			00000	24639	USING PSODSECT,R2 PROVIDE PSO ADDRESSABILITY	R41 K5908500
001D12	123F			24640	LTR R3,R15 TEST FOR STORAGE AVAILABLE	R41 K5909000
001D14	4770 8208	01E50		24641	BNZ CCJRET IF NONE--EXIT NOT CANCELLED	K5909500
001D18	1801			24642	LR R0,R1 CLEAR	R4 K5910000
001D1A	4110 0128	00128		24643	LA R1,PSOLNGTH PSO	R4 K5910500
001D1E	0E02			24644	MVCL R0,R2 STORAGE	R41 K5911000
				24645	\$TIME , GET CURRENT DATE IN R1	R41 K5911100
				24646+*	/* MACDATE Y-1 72277 */	02050002
				24647+*	/*	02100002
001D20	4110 0001	00001		24648+	LA 1,1(0,0) LOAD 1 TO SPECIFY UNIT	22000002
001D24	0A0B			24649+	SVC 11 ISSUE TIME SVC	35000002
001D26	5010 2004	00004		24650	ST R1,PSOCRDT SET CUT-OFF DATE	R41 K5911200
001D2A	1814			24651	LR R1,WC RESTORE JQE ADDRESS	R4 K5911500
001D2C	9698 2074	00074		24652	OI PSOFLG1,PSOFHLD+PSOFJOBI+PSOFJOBNO SET PSO FLAGS	K5912000
001D30	9681 2075	00075		24653	OI PSOFLG2,PSOFDONE+PSOF\$O SET ADDITIONAL FLAGS	K5912500
001D34	9640 2072	00072		24654	OI PSOUFLG,PSOFDELC SET TO CANCEL DATA SETS	K5913000
001D38	D207 2078 1014	00078 00014		24655	MVC PSOJOBNO,JQEJOBNO SET JOBNAME INTO PSO ELEMENT	K5913500
001D3E	D201 2120 1002	00120 00002		24656	MVC PSOJOBNO,JQEJOBNO SET JOB NUMBER INTO PSO ELEMENT	K5914000
001D44	18F2			24657	LR R15,R2 SAVE ADDRESS OF NEW ELEMENT	R41 K5914500
001D46	4120 B228	00228		24658	LA R2,\$QUEUE-(PSONEXT-PSODSECT) PREPARE TO SCAN PSO Q	R41 K5915000
001D4A	5800 2000	00000		24659	L R0,PSONEXT PT TO NEXT ELEMENT	K5915500
001D4E	1200			24660	LTR R0,R0 TEST FOR LAST ELEMENT	K5916000
001D50	4780 8112	01D5A		24661	BZ *+10 YES--SET NEW LAST ELEMENT	K5916500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
001D54	1820			24662	LR R2,R0	ELSE RELOAD ELEMENT ADDRESS R41 K5917000
001D56	47F0 8102	01D4A		24663	B *-12	AND LOOP TILL LAST FOUND K5917500
001D5A	50F0 2000	00000		24664	ST R15,PSONEXT	ADD ELEMENT TO END OF CHAIN K5918000
001D5E	58F0 B46C	0046C		24665	L R15,\$PSOPCE	POINT TO PSO PCE R4 K5918500
				24666	\$POST (R15),WORK	POST PSO FOR DELETE REQUEST K5919000
001D62	94EF F050	00050		24667+	NI PCEEFW-PCEDSECT(R15),255-\$EWFWORK	RESET INHIBITS FX074000
001D66	4770 8132	01D7A		24668+	BNZ *+20	SKIP QUEUEING IF INHIBITED FX076000
001D6A	90E3 B388	00388		24669+	STM LINK,R3,\$POSTSAV	SAVE REGISTERS FX078000
001D6E	411F 0000	00000		24670+	LA R1,0(R15)	POINT TO PCE FX086000
001D72	45E0 B01C	0001C		24671+	BAL LINK,\$POST	QUEUE THE PCE ON READY QUEUE FX088000
001D76	98E3 B388	00388		24672+	LM LINK,R3,\$POSTSAV	RESTORE REGISTERS FX090000
				24673	DROP R2	KILL PSO ADDRESSABILITY R41 K5919500
001D7A				24675	CCJNOHLD DS 0H	COME HERE WHEN NO HELD DATA SETS K5920500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24677	*****	K5921500
				24678	*	* K5922000
				24679	* PURGE JOES FOR JOB	* K5922500
				24680	*	* K5923000
				24681	*****	K5923500
001D7A	D501 1010 B3F8	00010	003F8	24682	CLC JQEJOE,\$ZEROS TEST FOR ANY JOES @OZ27300	K5924000
001D80	4780 8142	01D8A		24683	BZ CCJNOJOE SKIP CANCEL IF NONE	K5924500
				24684	\$#CAN JQE=(R1) CANCEL IDLE JOES	K5925000
001D84	58F0 B088	00088		24685+	L R15,\$JOECAN GET ADDR OF JOE CANCEL SUBROUTINE R4	AH014000
001D88	05EF			24686+	BALR R14,R15 GIVE IT A TRY	AH016000
001D8A	1816			24687	CCJNOJOE LR R1,WE MAKE SURE R1 STILL POINTS TO JQE	K5925500
				24688	*****	K5926000
				24689	*	* K5926500
				24690	* CANCEL ACTIVITY OR CHECKPOINT	* K5927000
				24691	*	* K5927500
				24692	*****	K5928000
001D8C	9140 1001	00001		24693	CCJCANC TM JQETYPE,\$XEQ IS IT XEQ OR CONVERTER	K5928500
001D90	4780 8168	01DB0		24694	BZ CCJNDEV BR IF NO R4	K5929000
001D94	9107 1004	00004		24695	TM JQEFLAGS,QUEBUSY TEST FOR JOB ACTIVE	K5929500
001D98	4780 8170	01DB8		24696	BZ CCJQPUT BR IF NO TO RE-QUEUE R4	K5930000
001D9C	9540 1001	00001		24697	CLI JQETYPE,\$XEQ TEST FOR JOB CONVERTING	K5930500
001DA0	4780 817C	01DC4		24698	BE CCJCKPT POST CHECKPOINT IF YES	K5931000
001DA4	9102 B333	00333		24699	TM CCJR,CCJFSTOP IS THIS \$P... R41	K5931500
001DA8	4710 817C	01DC4		24700	BO CCJCKPT DO NOT DISRUPT EXECUTION IF \$P	K5932000
001DAC	9620 B333	00333		24701	OI CCJR,CCJRCANX SET FLAG TO RETURN CANCEL REQUIRED	K5932500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24703	*****	K5933500
				24704	*	* K5934000
				24705	* FORCE CHECKPOINT OR PUT JQE ON \$OUTPUT, \$HARDCPY, OR	* K5934500
				24706	* \$PURGE QUEUE	* K5935000
				24707	*	* K5935500
				24708	*****	K5936000
001DB0	9107 1004	00004		24709	CCJNDEV TM JQEFLAGS,QUEBUSY IS JOB ACTIVE	K5936500
001DB4	4770 817C	01DC4		24710	BNZ CCJCKPT CHECK POINT IF YES	K5937000
001DB8	4100 0002	00002		24711	CCJQPUT LA R0,\$OUTPUT SET OUTPUT	K5937500
				24712	\$QPUT (R1),(R0) PUT TO OUTPUT, HARDCPY, PURGE	K5938000
001DBC	45E0 B050	00050		24713+	BAL LINK,\$QPUT LINK TO CONTROL SERVICE PROGRAM	GJ010000
001DC0	47F0 8180	01DC8		24714	B CCJRETOK RETURN WITH OK RETURN CODE R4	K5938500
001DC4				24715	CCJCKPT DS 0H @OZ78811	K5938900
				24716	\$QCKPT (R1) FORCE CHECKPOINT OF JQE @OZ78811	K5939000
001DC4	45E0 B05C	0005C		24717+	BAL LINK,\$QCKPT LINK TO CONTROL SERVICE PROGRAM	GB010000
001DC8	4170 0008	00008		24718	CCJRETOK LA WF,CCJXOK SET RETURN	K5939500
001DCC	9120 B333	00333		24719	TM CCJR,CCJRCANX IS CANCEL SVC 34 REQUIRED	K5940000
001DD0	4780 8208	01E50		24720	BZ CCJRET SKIP CANCEL EXECUTION IF NOT	K5940500
				24721	*****	K5941000
				24722	*	* K5941500
				24723	* TELL OPERATING SYSTEM TO CANCEL EXECUTION OF JOB	* K5942000
				24724	*	* K5942500
				24725	*****	K5943000
		00000		24727	USING SJBDSECT,WD PROVIDE SJB ADDRESSABILITY R41	K5944000
001DD4	9824 B338	00338		24729	LM WA,WC,CCJSAVEA SAVE WORK SPACE CONTENTS R41	K5945000
001DD8	BF5F B36C	0036C		24730	ICM WD,15,CCJSJBAD PICK UP SJB ADDRESS R41	K5945500
001DDC	4780 81FC	01E44		24731	BZ CCJPITUH BR IF NO SJB TO UNHOLD JQE R41	K5946000
001DE0	9610 504F	0004F		24732	OI SJBFLG2,SJB2CNCL SET CANCEL FLAG	K5949500
001DE4	D207 B33C 50B4	0033C 000B4		24733	MVC CCJSAVEA+4(8),SJBASCB+SJBERRSET-SJBERRSET SET XM POST	K5950000
001DEA	BF6F 50A8	000A8		24734	ICM WE,15,SJBCSCB POINT TO CSCB	K5950500
			00000	24735	USING CSCDSECT,WE	K5951000
001DEE	4780 81F4	01E3C		24736	BZ CCJPITTR BR IF NO CSCB TO TEST RSTRT R41	K5951500
001DF2	9190 504E	0004E		24737	TM SJBFLG1,SJB1XBM+SJB1XBMC IF XBM BETWEEN JOBS, @OZ64863	K5951600
001DF6	4710 81F4	01E3C		24738	BO CCJPITTR DON'T CANCEL @OZ64863	K5951700
				24739	MODESET EXTKEY=ZERO GET KEY 0	K5952000
				24740+*	/* MACDATE Y-3 77277 @ZA26071*/	01800003
				24741+*	/*	01850002
001DFA	B20A 0000	00000		24742+	SPKA 0(0) SET PSW KEY	79716002
001DFE	9604 6007	00007		24743	OI CHACT,CHCLD TELL OS TO DO WHOLE JOB	K5952500
				24744	MODESET EXTKEY=HASP GET KEY 1	K5953000
				24745+*	/* MACDATE Y-3 77277 @ZA26071*/	01800003
				24746+*	/*	01850002
001E02	B20A 0010	00010		24747+	SPKA 16(0) SET PSW KEY	79716002
001E06	4110 603C	0003C		24748	LA R1,CHCECB POINT TO ECB	K5953500
001E0A	5010 B338	00338		24749	ST R1,CCJSAVEA SET INTO XM POST ELEMENT	K5954000
001E0E	4100 0222	00222		24750	LA R0,X'222' SET ABEND CODE FOR NO DUMP	K5954500
001E12	9140 B333	00333		24751	TM CCJR,CCJRDUMP IS 'DUMP' DESIRED	K5955000
001E16	4780 81D6	01E1E		24752	BZ CCJPOST SKIP NEXT IF NOT R4	K5955500
001E1A	4100 0122	00122		24753	LA R0,X'122' SET ABEND CODE FOR DUMP	K5956000
				24754	CCJPOST POST ,(0),MF=(E,CCJSAVEA) POST TO CANCEL JOB R4	K5956500
001E1E				24755+CCJPOST	DS 0H	01850002
001E1E	4110 B338	00338		24756+	LA 1,CCJSAVEA . ADDRESS LIST	08550002
001E22	0700			24757+	CNOP 0,4	08700002
001E24	5610 81E4	01E2C		24758+	O 1,POST1208 . SET LIST FORM INDICATOR	08750002

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
001E28	47F0 81E8	01E30		24759+	B *+8 . BRANCH AROUND MASK	08800002
001E2C	80000000			24760+	POST1208 DC X'80000000'	08850002
001E30	0A02			24761+	SVC 2 . ISSUE THE POST SVC	09050002
001E32	4100 002C	0002C		24762	LA R0,44 SET REQUEST TO SWAP IN	K5957000
001E36	BF0C 50E2	000E2		24763	ICM R0,12,SJBASID SET ASID NUMBER	K5957500
001E3A	0A5F			24764	SVC 95 SWAP USER IN (MAYBE)	K5958000
001E3C				24765	CCJPITTR DS 0H TEST RESTART BIT IN SJB	R41 K5958100
001E3C	9104 504E	0004E		24766	TM SJBFLG1,SJB1EJOB Q. IF RESTART BIT SET	K5958500
001E40	4710 8204	01E4C		24767	BO CCJPITE BR. IF YES	K5959000
001E44				24768	CCJPITUH DS 0H UNHOLD JQE	R41 K5959100
001E44	5810 B334	00334		24769	L R1,CCJSAVE+4 RELOAD JQE ADDRESS	K5959500
001E48	941F 1004	00004		24770	NI JQEFLAGS,255-QUEHOLDA-QUEHOLD1-QUEHOLD2 UNHOLD	K5960000
001E4C	9024 B338	00338		24771	CCJPITE STM WA,WC,CCJSAVEA RESTORE SAVE AREA	K5960500
				24772	DROP WD,WE	K5961000
001E50	18F7			24773	CCJRET LR R15,WF SET RETURN CODE	K5961500
001E52	980E B330	00330		24774	LM R0,R14,CCJSAVE RESTORE USER REGISTERS	K5962000
001E56	47FF E000	00000		24775	B 0(R15,R14) RETURN TO USER	K5962500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24777	*****	K5963500
				24778	*	* K5964000
				24779	* VERB IS \$C WITHOUT PURGE OPERAND	* K5964500
				24780	*	* K5965000
				24781	*****	K5965500
001E5A	9140 1001	00001		24782	CCJC TM JQETYPE,\$XEQ TEST FOR XEQ OR CONVERTER	K5966000
001E5E	4710 8232	01E7A		24783	BO CCJWXEQT IF EITHER TEST FOR EXECUTING	R41 K5966500
001E62	4170 0004	00004		24784	CCJCRDRT LA WF,CCJXNOP SET NO-OP RETURN CODE	R41 K5970500
001E66	9520 1001	00001		24785	CLI JQETYPE,\$INPUT IS IT ON A READER	R41 K5971000
001E6A	4770 8208	01E50		24786	BNE CCJRET IGNORE REQUEST	K5973500
001E6E	941F 1004	00004		24787	CCJCRDR NI JQEFLAGS,255-QUEHOLDA-QUEHOLD1-QUEHOLD2 RELEASE JOB	R4 K5974000
001E72	9608 1004	00004		24788	OI JQEFLAGS,QUEOPCAN SET CANCEL	K5974500
001E76	47F0 8168	01DB0		24789	B CCJNDEV CHECKPOINT OR PUT ON NEXT QUEUE	R4 K5975000
001E7A	9107 1004	00004		24790	CCJWXEQT TM JQEFLAGS,QUEBUSY IS JOB ACTIVE...	R41 K5975100
001E7E	4780 8242	01E8A		24791	BZ CCJW BR IF NO TO RELEASE	R41 K5975200
001E82	9540 1001	00001		24792	CLI JQETYPE,\$XEQ IS JOB CONVERTING...	R41 K5975300
001E86	4770 8246	01E8E		24793	BNE CCJWCAN BR IF NO (EXECUTING)	R41 K5975400
001E8A	941F 1004	00004		24794	CCJW NI JQEFLAGS,255-QUEHOLDA-QUEHOLD1-QUEHOLD2 RELEASE JOB	R4 K5975500
001E8E	9608 1004	00004		24795	CCJWCAN OI JQEFLAGS,QUEOPCAN SET CANCEL FLAG	R41 K5976000
001E92	47F0 8144	01D8C		24796	B CCJCANC CANCEL ACTIVITY	K5976500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24798	*****	K5977500
				24799	*	* K5978000
				24800	* JOB CANCEL ROUTINE WORKAREA DEFINITIONS	* K5978500
				24801	*	* K5979000
				24802	*****	K5979500
001E96	2710			24804	CCJJMAX DC H'10000'	UPPER LIMIT FOR JOB NUMBERS K5980500
001E98	C340			24805	CCJCBNK DC C'C'	COMMAND VERB K5981000
001E9A	6BC4E4D4D7			24806	CCJDUMP DC C',DUMP'	DUMP OPTION CHARACTERS K5981500
		00330	24807	CCJSAVE	EQU \$REGSAVE	NON-REENTRANT REGISTER SAVE AREA R41 K5982000
		00333	24808	CCJR	EQU CCJSAVE+3,1	REQUESTS IN LOW BYTE OF R0 K5982500
		00338	24809	CCJSAVEA	EQU CCJSAVE+4*R2,12	POST PARAMETER LIST K5983000
		0036C	24810	CCJSJBAD	EQU CCJSAVE+(R14-R0+1)*4	SJB ADDRESS SAVE AREA R41 K5983200
		00040	24812	CCJRDUMP	EQU CCJFDUMP	A DUMP IS REQUESTED K5984000
		00020	24813	CCJRCANX	EQU X'20'	SVC 34 CANCEL REQUIRED K5984500
		00002	24814	CCJRSTOP	EQU CCJFSTOP	USER REQUESTED STOP JOB K5985000
		00001	24815	CCJRPURG	EQU CCJFPURG	USER REQUESTED PURGE JOB K5985500
			24816	*	EQU X'00'	USER REQUESTED CANCEL EXECUTION K5986000
		00000	24818	CCJXNJ	EQU X'00'	RETURN OFFSET FOR 'NOT JOB' K5987000
		00004	24819	CCJXNOP	EQU X'04'	RETURN OFFSET FOR 'NOP' K5987500
		00008	24820	CCJXOK	EQU X'08'	RETURN OFFSET FOR 'OK' K5988000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
24822	*				*****		K5989500
24823	*				*		K5990000
24824	*				\$IOTPUR -- IOT PURGE SERVICE ROUTINE		K5990500
24825	*				*		K5991000
24826	*				FUNCTIONS --		K5991500
24827	*				*		K5992000
24828	*				(1) MARK THE JOE ACTIVE (JOEFLAG=\$SIDBUSY) TO PREVENT	@OZ78811	K5992100
24829	*				SELECTION BY AN OUTPUT DEVICE DURING ANY LOSS OF	@OZ78811	K5992110
24830	*				CONTROL BY HASPCOMM.	@OZ78811	K5992120
24831	*				*	@OZ67148	K5992200
24832	*				(2) READ IN THE IOT FOR A SPIN DATA SET.	@OZ67148	K5992500
24833	*				*		K5993000
24834	*				(3) PURGE THE TRACKS USED FOR A SPIN DATA SET IF IT IS	@OZ67148	K5993500
24835	*				AN ALLOCATION IOT, AND NO CLONE JOE EXISTS.	@OZ67148	K5994000
24836	*				*		K5994500
24837	*				(4) TURN OFF THE PSO FLAG IN THE Pddb (SO THAT THE DATA	@OZ67148	K5995000
24838	*				SET WILL NOT BE RE-SPUN ON JES2 WARM START) AND	@OZ67148	K5995500
24839	*				REWRITE THE IOT.	@OZ67148	K5996000
24840	*				*		K5996500
24841	*				(5) REMOVE THE JOE PASSED IN REGISTER 1.	@OZ78811	K5996550
24842	*				*	@OZ78811	K5996560
24843	*				INPUT REGISTERS --		K5997000
24844	*				*		K5997500
24845	*				R1 = ADDR OF WORK JOE		K5998000
24846	*				*		K5998500
24847	*				OUTPUT REGISTERS --		K5999000
24848	*				*		K5999500
24849	*				R0 - R15 UNCHANGED (RETURN IS TO LINK+0)		K6000000
24850	*				*		K6000500
24851	*				NOTE - IF UNABLE TO GET AN IOT BUFFER, AN IMMEDIATE RETURN IS		K6001000
24852	*				MADE INSTEAD OF WAITING FOR A BUFFER. IF AN I/O ERROR		K6001500
24853	*				OCCURS WHEN READING OR WRITING AN IOT THE \$IOERROR		K6002000
24854	*				MACRO IS ISSUED TO WRITE A DIAGNOSTIC MESSAGE TO THE		K6002500
24855	*				CONSOLE. HOWEVER, THE \$IOERROR ROUTINE WILL RETURN		K6003000
24856	*				WITHOUT WAITING IF UNABLE TO GET A CMB.		K6003500
24857	*				*		K6004000
24858	*				*****		K6004500

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	ASM 0201 06.59	01/28/22
001EA0				24860	\$IOTPUR	DS 0H	ENTRY POINT	R41 K6005500
			01EA0	24861		USING \$IOTPUR,R15	TEMPORARY ADDRESSABILITY	R41 K6006000
			00000	24862		USING JOEDSECT,WE	ADDRESSABILITY FOR JOE	R41 K6006500
			00000	24863		USING IOTDSECT,WF	ADDRESSABILITY FOR IOT	R41 K6007000
			00000	24864		USING PDBDSECT,WD	ADDRESSABILITY FOR PDDB	R41 K6007500
			00000	24865		USING JQEDSECT,R4		@OZ67148 K6007600
001EA0	90EA D1E8	001E8		24867	STM	R14,R10,COMREGSV+12	STORE REGISTERS	@OZ18622 K6008500
001EA4	188F			24868	LR	BASE3,R15	ESTABLISH WORKING BASE	R41 K6009000
				24869	DROP	R15		R41 K6009500
			01EA0	24870	USING	\$IOTPUR,BASE3		R41 K6010000
001EA6	1861			24871	LR	WE,R1	GET ADR OF WORK JOE	R41 K6010500
001EA8	9140 6004	00004		24872	TM	JOEFLAG,\$JOESPIN	IF NOT A SPIN JOE	@OZ78811 K6010550
001EAC	47E0 80FA	01F9A		24873	BNO	CIPRMJO	JUST REMOVE IT	@OZ78811 K6010600
				24874	\$QSUSE		OBTAIN CONTROL OF QUEUES	@OZ78811 K6010650
001EB0	05F0			24875+	BALR	R15,0	SET RETURN ADDR FROM \$QSUSE	R4 GM014000
001EB2	9180 B427	00427		24876+	TM	\$STATUS,\$QSONDA	MAY QUEUES BE USED...	@OZ27300 GM016000
001EB6	4770 B068	00068		24877+	BNZ	\$QSUSES	BR TO \$QSUSE ROUTINE IF NO	R4 GM024000
001EBA	4840 6010	00010		24878	LH	R4,JOEJQE	GET JQE OFFSET	@OZ78811 K6010700
001EBE	5440 8108	01FA8		24879	N	R4,=A(X'0000FFFF')	DEVELOP ABSOLUTE	@OZ78811 K6010750
001EC2	8940 0002	00002		24880	SLL	R4,2	ADDRESS OF JQE	@OZ78811 K6010800
001EC6	5E40 B1C0	001C0		24881	AL	R4,\$JOBQPTR	THAT OWNS THE JOE	@OZ78811 K6010850
001ECA	5830 6018	00018		24882	L	R3,JOEIOTTR	POINT TO SPIN IOT MTTR	@OZ78811 K6010900
001ECE	4110 4010	00010		24883	LA	R1,JQEJOE	GET FIRST JOE OFFSET	@OZ78811 K6010950
001ED2	5F10 810C	01FAC		24884	SL	R1,=A(JOEJOE-JOEDSECT)	PREPARE FOR SCAN	@OZ78811 K6011000
001ED6	4810 1022	00022		24886	CIP\$NLUP	LH R1,JOEJOE-JOEDSECT(,R1)	GET NEXT JOE OFFSET	@OZ78811 K6011100
001EDA	5410 8108	01FA8		24887	N	R1,=A(X'0000FFFF')	CLEAR HIGH BYTES, AND	@OZ78811 K6011150
001EDE	4780 805C	01EFC		24888	BZ	CIPGETB	BRANCH IF END OF CHAIN	@OZ78811 K6011200
001EE2	8910 0002	00002		24889	SLL	R1,2	CONVERT JOE OFFSET	@OZ78811 K6011250
001EE6	5E10 B23C	0023C		24890	AL	R1,\$JOTABLE	TO ABSOLUTE ADDRESS	@OZ78811 K6011300
001EEA	1961			24891	CR	WE,R1	THIS THE CURRENT JOE...	@OZ78811 K6011350
001EEC	4780 8036	01ED6		24892	BE	CIP\$NLUP	YES, GET NEXT JOE	@OZ78811 K6011400
001EF0	5530 1018	00018		24893	CL	R3,JOEIOTTR-JOEDSECT(,R1)	SAME IOT MTTR...	@OZ78811 K6011450
001EF4	4770 8036	01ED6		24894	BNE	CIP\$NLUP	NO, GET NEXT JOE	@OZ78811 K6011500
001EF8	47F0 80FA	01F9A		24895	B	CIPRMJO	YES, SKIP TRACK PURGE	@OZ78811 K6011550
				24897	CIPGETB	\$GETBUF ,		@OZ78811 K6011650
001EFC	58F0 B020	00020		24898+	CIPGETB	L R15,\$GETBUF	GET ADDRESS OF \$GETBUF ROUTINE	R4 DF018000
001F00	4110 0020	00020		24899+	LA	R1,BUFHASP	SET REQUEST OPTIONS	R4 DF030000
001F04	45E0 F000	00000		24900+	BAL	LINK,0(,R15)	ENTER \$GETBUF ROUTINE	R4 DF042000
001F08	4780 80FA	01F9A		24901	BZ	CIPRMJO	BR IF NO BUFFER AVAIL	@OZ78811 K6012000
001F0C	1871			24902	LR	WF,R1	POINT TO IOT BUFFER	R41 K6012500
				24903	*****			K6013000
				24904	*			* K6013500
				24905	READ SPIN DATA SET IOT			* K6014000
				24906	*			* K6014500
				24907	*****			K6015000
001F0E	D600 6004 B425	00004 00425		24909	CIPREAD	OC JOEFLAG,\$SIDBUSY	PREVENT DEVICE ACTIVITY	@OZ78811 K6015550
				24911	CIPCKPT	\$#CKPT JOE=(WE),TYPE=A	CHECKPOINT JOE CHANGE	@OZ78811 K6015650
001F14	90E1 B3A0	003A0		24912+	CIPCKPT	STM R14,R1,\$CSAVREG		@OZ40444 AJ008000
001F18	1816			24913+	LR	R1,WE		CJ018000
001F1A	58F0 B078	00078		24914+	L	R15,\$JOECKPA	GET ENTRY POINT ADDRESS	@OZ40444 AJ024000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59	01/28/22
001F1E	05EF			24915+	BALR R14,R15	CHECKPOINT ALTERED JOE	@OZ40444 AJ028000
001F20	98E1 B3A0	003A0		24916+	LM R14,R1,\$CSAVREG		@OZ40444 AJ034000
001F24	9200 D065	00065		24917	MVI PCEDEVTP,PCEDARD	SET UP DCT TO READ	@OZ78811 K6015700
001F28	5070 D058	00058		24918	ST WF,PCEBUFAD	ADDR OF BUFFER	R41 K6016000
001F2C	5030 D05C	0005C		24919	ST R3,PCESEEEK	MTTR OF SPIN IOT	@OZ67148 K6016500
001F30	4110 D054	00054		24920	LA R1,PCEDADCT	ADDR OF DCT	R41 K6017000
				24921	\$EXCP (R1),WAIT=YES	READ SPIN IOT	R41 K6017500
001F34	58F0 B0C4	000C4		24922+	L R15,\$EXCP	GET EXCP ROUTINE ADDRESS	R4 C1010000
001F38	05EF			24923+	BALR LINK,R15	INITIATE I/O VIA EXCP	R4 C1014000
001F3A	0000			24924+	DC AL2(0)	WAIT FOR I/O TO COMPLETE	R4 C1022000
001F3C	4740 80F2	01F92		24925	BM CIPFBUF	GO FREE IOT BUFFER IF ERROR	R41 K6018000
				24927	*****		K6019000
				24928	*		* K6019500
				24929	* PURGE SPIN DATA SET TRACKS IF ALLOCATION IOT		* K6020000
				24930	*		* K6020500
				24931	*****		K6021000
001F40				24932	CIPIOT DS 0H		@OZ49172 K6021100
001F40	D503 7058 8110 00058 01FB0			24933	CLC IOTID,='IOT '	TEST FOR VALID IOT	@OZ49172 K6021200
001F46	4780 80C4	01F64		24934	BE CIPIOT1	BR IF VALID IOT	@OZ49172 K6021300
				24935	CIPDSTER \$DISTERR	INDICATE DISASTEROUS ERR	@OZ49172 K6021400
001F4A	58F0 B0E4	000E4		24936+	CIPDSTER L R15,\$DISTERR	GET DISASTROUS ERROR RTN ADDR	R4 CL008000
001F4E	05EF			24937+	BALR LINK,R15	AND LINK TO IT	R4 CL010000
001F50	C3C9D7C4E2E3C5D9			24938+	DC 0AL4(CIPDSTER),CL8'CIPDSTER'	SYMBOL REFERENCE	CL012000
001F58	C8C1E2D7C3D6D4D4			24939+	DC CL8'HASPCOMM'	CSECT REFERENCE	CL014000
001F60	47F0 80F2	01F92		24940	B CIPFBUF	GO FREE IOT BUF IF ERR	@OZ49172 K6021500
001F64	9108 705E	0005E		24941	CIPIOT1 TM IOTFLAG1,IOT1ALOC	IF NOT AN ALLOCATION IOT	@OZ49172 K6021600
001F68	47E0 80D8	01F78		24942	BNO CIPPSO	BRANCH (NO TRACKS TO PURGE)	R41 K6022000
				24944	PUSH PRINT	TURN PRINT OFF FOR	@OZ78811 K6022040
				24945	PRINT OFF	SECTION DELETED BY APAR	@OZ78811 K6022060
				24962	POP PRINT	RESET TO PRIOR PRINT OPT.	@OZ78811 K6022400
001F6C				24964	CIPURGE DS 0H		@OZ60258 K6022440
				24965	\$PURGE IOTTGMAP	PURGE SPIN DATA SET TRACKS	R41 K6022500
001F6C	4110 7098	00098		24966+	LA R1,IOTTGMAP		CJ012000
001F70	45E0 B0A0	000A0		24967+	BAL LINK,\$PURGER	LINK TO CONTROL SERVICE PROGRAM	F7010000
001F74	94F7 705E	0005E		24968	NI IOTFLAG1,255-IOT1ALOC	TURN OFF ALLOCATE FLAG	R41 K6023000
				24969	*****		K6023500
				24970	*		* K6024000
				24971	* UPDATE Pddb FLAG AND WRITE IOT		* K6024500
				24972	*		* K6025000
				24973	*****		K6025500
001F78	5850 B428	00428		24974	CIPPSO L WD,\$IOTPDDB	GET Pddb DISPLACEMENT	R41 K6026000
001F7C	1E57			24975	ALR WD,WF	GET ADDR OF Pddb, MAKE DS	R41 K6026500
001F7E	94FE 5000	00000		24976	NI PDBFLAG1,255-PDB1PSO	INELIGIBLE FOR WARMSTART	R41 K6027000
001F82	9201 D065	00065		24977	MVI PCEDEVTP,PCEDAWR	SET UP DCT FOR WRITE	R41 K6027500
001F86	4110 D054	00054		24978	LA R1,PCEDADCT	POINT TO DCT	R41 K6028000
				24979	\$EXCP (R1),WAIT=YES	WRITE UPDATED IOT	R41 K6028500
001F8A	58F0 B0C4	000C4		24980+	L R15,\$EXCP	GET EXCP ROUTINE ADDRESS	R4 C1010000
001F8E	05EF			24981+	BALR LINK,R15	INITIATE I/O VIA EXCP	R4 C1014000
001F90	0000			24982+	DC AL2(0)	WAIT FOR I/O TO COMPLETE	R4 C1022000
				24983	*****		K6030000
				24984	*		* K6030500
				24985	* NOTE--IF AN IO READ/WRITE ERROR OCCURS, \$EXCP WILL		* K6031000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24986 *	ISSUE THE \$IOERROR MACRO TO OUTPUT A DIAGNOSTIC	* K6031500
				24987 *	MESSAGE. IF HOWEVER, THE \$IOERROR ROUTINE IS	* K6032000
				24988 *	UNABLE TO GET A CMB, IT WILL RETURN (WITHOUT	* K6032500
				24989 *	WAITING FOR A CMB) TO PROTECT AGAINST A POSSIBLE	* K6033000
				24990 *	CONSOLE LOCKOUT.	* K6033100
				24991 *		* K6033500
				24992 *	*****	* K6034000

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM 0201 06.59 01/28/22
				24994	CIPFBUF \$FREEBUF (WF)	FREE IOT BUFFER R41 K6035500
001F92	1817			24995+	CIPFBUF LR R1,WF	CJ018000
001F94	58F0 B024	00024		24996+	L R15,\$FREEBUF	GET BUFFER 'FREE' ROUTINE ADDRESS R4 C9010000
001F98	05EF			24997+	BALR LINK,R15	BR TO FREE SINGLE BUFFER R4 C9014000
				24999	CIPRMJO \$#REM WORK=(WE)	REMOVE THE JOE @OZ78811 K6036500
001F9A	1816			25000+	CIPRMJO LR R1,WE	CJ018000
001F9C	58F0 B094	00094		25001+	L R15,\$JOEREM	GET ADDR OF JOE REMOVE SUBROUTINE R4 AR014000
001FA0	05EF			25002+	BALR R14,R15	GIVE IT A TRY AR016000
001FA2	98EA D1E8	001E8		25004	LM R14,R10,COMREGSV+12	RESTORE REGISTERS @OZ18622 K6036600
001FA6	07FE			25005	BR LINK	RETURN TO CALLER R41 K6037000
001FA8				25006	LTORG	@OZ50888 K6037250
001FA8	0000FFFF			25007	=A(X'0000FFFF')	
001FAC	00000022			25008	=A(JOEJOE-JOEDSECT)	
001FB0	C9D6E340			25009	=C'IOT '	
001FB8				25010	\$COMMEND DS 0D	R41 K6037500
				25011	\$MLENGTH \$DLENGTH HEADER=M	COMPUTE HASPCOMM CSECT LEN R41 K6038000

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

001FB8			25014+	DS	0D	FILL OUT CONTROL SECTION	CN016000
	01FB8		25015+\$M	EQU	*-HASPCOMM		CN018000
	00000		25016+\$M1	EQU	\$M/100000*100000	COMPUTE	CN020000
	00000		25017+\$M2	EQU	(\$M-\$M1)/10000*10000	INTERMEDIATE	CN022000
	01F40		25018+\$M3	EQU	(\$M-\$M1-\$M2)/1000*1000	LENGTH	CN024000
	00064		25019+\$M4	EQU	(\$M-\$M1-\$M2-\$M3)/100*100	VALUES	CN026000
	00014		25020+\$M5	EQU	(\$M-\$M1-\$M2-\$M3-\$M4)/10*10		CN028000
	00000		25021+\$M6	EQU	\$M-\$M1-\$M2-\$M3-\$M4-\$M5		CN030000

			25023+*				CN034000
			25024+*			DECIMAL LENGTH	CN036000
			25025+*				CN038000

	08120		25027+\$MLENGTH	EQU	\$M1/100000*1048576+\$M2/10000*65536+\$M3/1000*4096+\$M4/1000		CN042000
			+		*256+\$M5/10*16+\$M6		CN044000

0086FB			25030	HASPCOMA	CSECT	REVERT TO HASPCOMA CSECT	R41 K6039500
008700			25031	\$COMAEND	DS 0D	FILL OUT CONTROL SECTION	R41 K6040000
			25032	\$ALENGTH	\$DLENGTH	COMNPUTE HASPCOMA CSECT LEN	R41 K6040500

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT ASM 0201 06.59 01/28/22

008700			25035+	DS	0D	FILL OUT CONTROL SECTION	CN016000
		06748	25036+\$A	EQU	*-HASPCOMA		CN018000
		00000	25037+\$A1	EQU	\$A/100000*100000	COMPUTE	CN020000
		04E20	25038+\$A2	EQU	(\$A-\$A1)/10000*10000	INTERMEDIATE	CN022000
		01770	25039+\$A3	EQU	(\$A-\$A1-\$A2)/1000*1000	LENGTH	CN024000
		00190	25040+\$A4	EQU	(\$A-\$A1-\$A2-\$A3)/100*100	VALUES	CN026000
		00028	25041+\$A5	EQU	(\$A-\$A1-\$A2-\$A3-\$A4)/10*10		CN028000
		00000	25042+\$A6	EQU	\$A-\$A1-\$A2-\$A3-\$A4-\$A5		CN030000

			25044+*				CN034000
			25045+*			DECIMAL LENGTH	CN036000
			25046+*				CN038000

		26440	25048+\$ALENGTH	EQU	\$A1/100000*1048576+\$A2/10000*65536+\$A3/1000*4096+\$A4/1000		CN042000
			+		*256+\$A5/10*16+\$A6		CN044000

008700	F7F8F8F1F1		25051 *		THIS LINE DELETED BY APAR NUMBER	@OZ50888	K6041500
			25052 APARNUM	DC	CL5 '78811'		K6042498
			25053	END	,	R41	K6042500

POS.ID	REL.ID	FLAGS	ADDRESS
0001	0001	0C	000ACC
0001	0001	0C	000AD0
0001	0001	0C	000AE4
0001	0001	0C	0019E4
0001	0002	1C	0001CC
0001	0003	0C	000AC8
0001	0003	0C	000AD4
0003	0001	0C	003240
0003	0001	0C	00324C
0003	0001	0C	003AF8
0003	0001	0C	003AFC
0003	0001	0C	004700
0003	0001	0C	004708
0003	0001	0C	004718
0003	0001	0C	004A48
0003	0001	0C	004A50
0003	0001	0C	004F18
0003	0001	0C	004F28
0003	0001	0C	005308
0003	0001	0C	006218
0003	0001	0C	006224
0003	0001	0C	006228
0003	0001	0C	006E20
0003	0001	0C	007D3C
0003	0001	0C	00865C
0003	0001	0C	00866C
0003	0003	08	00245D
0003	0003	08	002465
0003	0003	08	00246D
0003	0003	08	002475
0003	0003	08	00247D
0003	0003	08	002485
0003	0003	08	00248D
0003	0003	08	002495
0003	0003	08	00249D
0003	0003	08	0024A5
0003	0003	08	0024AD
0003	0003	08	0024B5
0003	0003	08	0024BD
0003	0003	08	0024C5
0003	0003	08	0024CD
0003	0003	08	0024D5
0003	0003	08	0024DD
0003	0003	08	0024E5
0003	0003	08	0024ED
0003	0003	08	0024F5
0003	0003	08	0024FD
0003	0003	08	002505
0003	0003	08	00250D
0003	0003	08	002515
0003	0003	08	00251D
0003	0003	08	002525
0003	0003	08	00252D
0003	0003	08	002535
0003	0003	08	00253D
0003	0003	08	002545

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POS.ID	REL.ID	FLAGS	ADDRESS
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0003	0003	08	00254D
0003	0003	08	002555
0003	0003	08	00255D
0003	0003	08	002565
0003	0003	08	00256D
0003	0003	08	002575
0003	0003	08	00257D
0003	0003	08	002585
0003	0003	08	00258D
0003	0003	08	002595
0003	0003	08	00259D
0003	0003	08	0025A5
0003	0003	08	0025AD
0003	0003	08	0025B5
0003	0003	08	0025BD
0003	0003	08	0025C5
0003	0003	08	0025CD
0003	0003	08	0025D5
0003	0003	08	0025DD
0003	0003	08	0025E5
0003	0003	08	0025ED
0003	0003	08	0025F5
0003	0003	08	0025FD
0003	0003	08	002605
0003	0003	08	00260D
0003	0003	08	002615
0003	0003	08	00261D
0003	0003	08	002625
0003	0003	08	00262D
0003	0003	08	002635
0003	0003	08	00263D
0003	0003	08	002645
0003	0003	08	00264D
0003	0003	08	002655
0003	0003	08	00265D
0003	0003	08	002665
0003	0003	08	00266D
0003	0003	08	002675
0003	0003	08	00267D
0003	0003	08	002685
0003	0003	08	00268D
0003	0003	08	002695
0003	0003	08	00269D
0003	0003	08	0026A5
0003	0003	08	0026AD
0003	0003	08	0026B5
0003	0003	08	0026BD
0003	0003	08	0026C5
0003	0003	08	0026CD
0003	0003	08	0026D5
0003	0003	08	0026D9
0003	0003	08	0026DD
0003	0003	08	0026E1
0003	0003	08	0026E5
0003	0003	08	0026E9
0003	0003	08	0026ED

POS.ID	REL.ID	FLAGS	ADDRESS
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0003	0003	08	0026F1
0003	0003	08	0026F5
0003	0003	08	0026F9
0003	0003	08	0026FD
0003	0003	08	002701
0003	0003	08	002705
0003	0003	08	002709
0003	0003	08	00270D
0003	0003	08	002711
0003	0003	08	002715
0003	0003	08	002719
0003	0003	08	0031BC
0003	0003	08	0031BF
0003	0003	08	0031C4
0003	0003	08	0031C7
0003	0003	08	0031CC
0003	0003	08	0031CF
0003	0003	08	0031D6
0003	0003	08	0031D9
0003	0003	0C	003AF4
0003	0003	0C	0046F8
0003	0003	0C	004710
0003	0003	0C	004A68
0003	0003	0C	004A6C
0003	0003	0C	004A70
0003	0003	0C	004F14
0003	0003	08	005901
0003	0003	08	005905
0003	0003	08	005909
0003	0003	08	00590D
0003	0003	08	005911
0003	0003	08	005915
0003	0003	08	005919
0003	0003	08	00591D
0003	0003	08	005921
0003	0003	08	005925
0003	0003	08	005929
0003	0003	08	00592D
0003	0003	08	005931
0003	0003	08	005935
0003	0003	08	005EED
0003	0003	08	005EF1
0003	0003	08	005EF5
0003	0003	08	005EF9
0003	0003	08	005EFD
0003	0003	08	005F01
0003	0003	08	005F05
0003	0003	0C	006200
0003	0003	0C	006204
0003	0003	0C	006718
0003	0003	0C	00671C
0003	0003	0C	00774C
0003	0003	0C	007C1C
0003	0003	0C	007C2C
0003	0003	0C	007C3C
0003	0003	0C	007C4C

POS.ID	REL.ID	FLAGS	ADDRESS	ASM 0201 06.59 01/28/22
0003	0003	0C	007C5C	
0003	0003	0C	007C6C	
0003	0003	0C	007C7C	
0003	0003	0C	007C8C	
0003	0003	0C	007C9C	
0003	0003	0C	007CAC	
0003	0003	0C	007CBC	
0003	0003	0C	007CCC	
0003	0003	0C	007CDC	
0003	0003	0C	007CEC	
0003	0003	0C	007CFC	
0003	0003	0C	007D0C	
0003	0003	0C	007D1C	
0003	0004	1C	003248	
0003	0005	1C	004730	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
\$A	00001	00006748	25036	25037 25038 25039 25040 25041 25042	
\$ACTABLE	00004	00000234	08963	11952 12051 22607 22633 22662 22734 22840 22968	
\$ACTION	00001	00000050	02550	20592 20605	
\$ACTIVE	00001	00000458	09119	21508	
\$ALL	00001	0000003F	02542	12262	
\$ALMSGSW	00001	00000040	02586	21469 21526	
\$ALWAYS	00001	00000070	02551	12262 12272 14521 14962 23660	
\$AQSE	00004	00000220	08959	15630 18128 19208 22100 24423	
\$A1	00001	00000000	25037	25038 25039 25040 25041 25042 25048	
\$A2	00001	00004E20	25038	25039 25040 25041 25042 25048	
\$A3	00001	00001770	25039	25040 25041 25042 25048	
\$A4	00001	00000190	25040	25041 25042 25048	
\$A5	00001	00000028	25041	25042 25048	
\$A6	00001	00000000	25042	25048	
\$BLANKS	00008	000003F0	09086	19691 20445 20631	
\$BUSYQUE	00004	0000026C	08977	21505	
\$CATABLE	00004	0000025C	08973	15682 16244 18940 19136 19139	
\$CCOMCHR	00001	000002ED	09042	22747	
\$CKPTPCE	00004	000004A0	09143	21581 21681 21702	
\$CKPTW	00001	00000010	02588	17872 18890	
\$COMMEND	00008	00001FB8	25010	02390	
\$COMPPE	00004	00000468	09129	11942 11944 12059 12069	
\$COMMQUE	00004	00000274	08979	12043 12087 12093 12095 12212 14671	
\$CSAREA	00004	00000264	08975	22290	
\$CSAVREG	00008	000003A0	09083	13037 13043 13075 13076 13076 13078 13081 13085 13088 13099 17842 17845 17847 17851 17866 17869 24177 24181 24912 24916	
\$DA	00001	00000001	12127	15068 22464	
\$DAWTER	00004	00000104	08869	08873 08895	
\$DAWTRLN	00001	0000000C	08873	08895	
\$DCTPOOL	00004	0000018C	08916	12697 12718 23465 23510 23526	
\$DF	00001	00000002	12128	15074 22465	
\$DI	00001	00000003	12129	15080 22466	
\$DISTERR	00004	000000E4	08852	24936	
\$DJ	00001	00000004	12130	15086 22467	
\$DN	00001	00000005	12131	15098 22468	
\$DO	00001	00000006	12132	15104 22469	
\$DOMQUE	00004	00000278	08980	23018	
\$DOUBLE	00008	000003E0	09084	12932 12939 12941 13500 13503 21920 21921 21924 21924 21925 21926 21932 21933 21934 21937 21938 21939 21940 21941 21942	
\$DQ	00001	00000007	12133	15118 22470	
\$DRAINED	00001	00000020	02587	21456 21469 21503	
\$DS	00001	00000004	12134	15124 22474	
\$DT	00001	00000004	12135	15130 22475	
\$DU	00001	00000008	12136	15136 22471	
\$DYNADDR	00004	00000030	08774	20085	
\$D7D	00001	00000004	12126	15062 22473	
\$ERROR	00004	000000E0	08851	21497	
\$ESYSQSE	00004	00000224	08960	21709 21718	
\$EWBCKPW	00001	00000001	02524	17873 18891	
\$EWBJOB	00001	00000001	02519	15629 15722 18127 19207 19707 20130 20657 20667 21285 21298 21483 21572 22099 22197 24410 24422	
\$EWFCKPW	00001	00000001	02498	17873 18891	
\$EWFHOLD	00001	00000008	02480	21472 21513 21520	
\$EWFIO	00001	00000020	02478	19845	
\$EWFJOB	00001	00000020	02493	15629 15722 18127 19207 19707 20130 20657 20667 21285 21298 21483 21572 22099 22197 24410 24422	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
\$EWFJOT	00001	00000080	02491	15629 17873 18127 19707 20130 20657 20667 21483 24410 24422	
\$EWFOPER	00001	00000040	02477	21568	
\$EWFPOST	00001	00000080	02476	20483 20496 20549 20562	
\$EWFWORK	00001	00000010	02479	12062 17280 19608 19924 20035 20108 20122 20157 20765 21072 21724 24667	
\$EWQIMAG	00004	000004C0	09158	20485 20498 20551 20564	
\$EXCP	00004	000000C4	08835	24922 24980	
\$EXCPCT	00002	0000045C	09121	21504	
\$EXECPCE	00004	00000470	09131	21579	
\$FRECEL	00004	000000EC	08857	23869	
\$FRECMB	00004	000000B8	08826	14681	
\$FREEBUF	00004	00000024	08768	20509 20575 24996	
\$FRELOK	00004	000000F4	08859	22522 23863	
\$FREUNIT	00004	0000002C	08773	19718	
\$GETBUF	00004	00000020	08767	20459 20532 24898	
\$GETCEL	00004	000000E8	08856	23791	
\$GETCMB	00004	000000B4	08825	12200	
\$GETLOK	00004	000000F0	08858	22509 23829	
\$HARDCPY	00001	00000001	09680	14231 16280 16513 16555 16626	
\$HASPECF	00004	000004B0	09151	15629 15722 17873 18127 18891 19207 19707 20130 20657 20667 21285 21298 21483 21572 22099 22197 24410 24422	
\$HI	00001	00000007	02560	12272 14521 14962 23660	
\$IMAGECB	00004	00000130	08885	20480 20492 20546 20558	
\$INDMODE	00001	00000008	02589	21852 22187 22192	
\$INPUT	00001	00000020	09675	12826 13168 16559 16626 19161 22120 24013 24060 24561 24785	
\$INRDCT	00004	000001AC	08924	23505	
\$IOTPDDB	00004	00000428	09101	24974	
\$IOTPUR	00002	00001EA0	24860	17414 18558 24861 24870	
\$JCAN	00004	00000038	08779	18180	
\$JCANR	00002	00001C48	24547	02389 24551	
\$JOBNO	00002	000005B8	09199	18864	
\$JOBQPTR	00004	000001C0	08929	15620 15813 15852 16125 16492 16791 17081 17267 17513 17671 17819 18078 18273 18321 18402 18678 18715 19051 19452 22080 23714 23835 23983 24322 24356 24580 24881	
\$JOEBRST	00001	00000080	09796	16754	
\$JOEBUSY	00001	00000007	09787	12867 12870 16786 17067 18268 24167	
\$JOECAN	00004	00000088	08808	24685	
\$JOECKPA	00004	00000078	08804	17849 24179 24914	
\$JOECKV	00001	00000080	09782	17579	
\$JOEOFFA	00004	0000007C	08805	17843 17867	
\$JOEPRT	00001	00000020	09784	17574 17812	
\$JOEREM	00004	00000094	08811	25001	
\$JOESPIN	00001	00000040	09783	24872	
\$JOTABLE	00004	0000023C	08965	12138 17501 17508 17533 17585 17803 17810 17834 17837 24890	
\$JQHEADS	00002	00000556	09196	09197 15612 15808 15847 16120 16487 17259 17666 18073 18670 18710 19046 19447 22072 23706 23978 24317 24351	
\$JQTYPES	00001	0000002F	09197	15610 17257 17664 18071 18668 18709 19044 19445 22070 23704 23976 24315 24350	
\$LNEDCT	00004	0000019C	08920	12692 23490	
\$LOG	00001	00000001	02534	20592 20605 20611	
\$LOGNDCT	00004	000001A0	08921	12696 23485	
\$M	00001	00001FB8	25015	25016 25017 25018 25019 25020 25021	
\$MAXCLAS	00001	00000321	09069	21363 21428 21430 21437	
\$MAXJOES	00001	00001388	02649	11387	
\$MAXJQES	00001	00001F40	02650	11385	
\$MAXRJE	00001	000000FF	02656	16551	
\$MID000	00004	00002457	14976	14976	
\$MID000A	00004	00005D3A	20614	20614	
\$MID001	00004	00007EAA	23662	23662	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22														
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\$MLLMPCE	00004	00000488	09137	19922	20022	20103	20154	20762	21067										
\$MSGID	00001	00000020	02600	09022															
\$M1	00001	00000000	25016	25017	25018	25019	25020	25021	25027										
\$M2	00001	00000000	25017	25018	25019	25020	25021	25027											
\$M3	00001	00001F40	25018	25019	25020	25021	25027												
\$M4	00001	00000064	25019	25020	25021	25027													
\$M5	00001	00000014	25020	25021	25027														
\$M6	00001	00000000	25021	25027															
\$NORMAL	00001	00000030	02549	20611															
\$NUMCLAS	00001	00000319	09063	13516	20622														
\$NUMPRTS	00001	00000289	08988	11956															
\$NUMRJE	00002	000005E8	09211	12621	23170	23187													
\$OQUEUE	00004	00000228	08961	17374	19556	24658													
\$OUTPUT	00001	00000002	09679	14212	16554	16626	24711												
\$OWNSYS	00001	00000424	09097	12541	13097	13098													
\$PCEORG	00004	00000174	08910	21470	21510	21558													
\$PITABLE	00004	00000238	08964	18322	21217	21304	24581												
\$POST	00004	0000001C	08763	17284	19612	19849	19928	20039	20112	20126	20161	20769	21076	21476	21524	21728	24671		
\$POSTSAV	00008	00000388	09082	17282	17285	19610	19613	19847	19850	19926	19929	19934	20037	20040	20110	20113	20124	20127	
				20159	20162	20767	20770	21074	21077	21474	21477	21522	21525	21726	21729	24669	24672		
\$PRIOOPT	00001	00000002	02604	09022															
\$PRTBOPT	00001	00000080	02618	09023															
\$PRTDCT	00004	00000194	08918	12693	23475														
\$PRTFCB	00004	000002F4	09046	20527															
\$PRTRANS	00001	00000008	02622	09023															
\$PSOPCE	00004	0000046C	09130	17278	19606	24665													
\$PUNDCT	00004	00000198	08919	12694	23480														
\$PURGE	00001	00000000	09681	14255															
\$PURGER	00004	000000A0	08817	24967															
\$QCKPT	00004	0000005C	08791	15665	18130	18215	19231	22155	24024	24089	24717								
\$QLOC	00004	00000058	08790	23773	24005														
\$QMOD	00004	00000060	08792	19219															
\$QPUT	00004	00000050	08788	24713															
\$QSENO	00002	000005EC	09213	15983															
\$QSE1	00004	000001DC	08938	13666	14339	14367	15580	15878	15990	16440	18997	19181	20890	20931	21689	21740	21794	21835	
				22001	22138														
\$QSONDA	00001	00000080	02585	09100	15602	17023	17788	18063	18241	18785	18879	19037	21707	21986	23959	24876			
\$QSUSES	00004	00000068	08794	15603	17024	17789	18064	18242	18786	18880	19038	21708	21987	23960	24877				
\$RATABLE	00004	000001F0	08944	12560	12626	13015	13166	19686	23207										
\$RDRDCT	00004	00000190	08917	12695	23470														
\$RECEIVE	00001	00000004	09678	16556															
\$REGSAVE	00004	00000330	09079	13501	13502	13503	13504	24807											
\$RJECHEQ	00004	0000024C	08969	19918	19920														
\$RPS	00001	00000080	02598	09022															
\$SAVEBEG	00004	00000530	09183	09225															
\$SAVEEND	00001	000005FA	09224	09225															
\$SETUP	00001	00000008	09677	16557															
\$SID	00004	00000418	09092	18342	18342	18343	19983	19983	19986	21850	22188	22189	22193	22194	22198	22198	23873		
\$SIDAFF	00001	00000426	09099	15597	15597	15773	15968	15969	16238										
\$SIDBUSY	00001	00000425	09098	21720	23784	24909													
\$SPOOL	00006	000005DA	09206	09223	09223														
\$SSVT	00004	00000150	08901	12047	12655	13070	16385	16808	17083	17480	21314	21407	21540	21586	23596	23831	24156		
\$ST	00001	00000004	02559	12262	20592	20605	20611												
\$STATUS	00001	00000427	09100	12070	14838	15602	17023	17788	17872	18063	18241	18785	18879	18890	19037	21456	21469	21501	
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SYMBOL	LEN	VALUE	DEFN	REFERENCES
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\$STIMERA	00004	000000D4	08845	12188
\$SVALOC	00004	00000118	08151	08125
\$SVBR14	00002	0000045E	08339	08257 08269
\$SVCANC	00004	00000108	08147	08121
\$SVCKPT	00004	00000140	08162	08137
\$SVCLOS	00004	0000013C	08161	08136
\$SVCMND	00004	00000128	08155	08129
\$SVCOMM	00004	000002E8	08229	08238 12056
\$SVCOMMQ	00004	000002DC	08223	12049 12057 12064 12085
\$SVCRNAM	00004	00000324	08254	08250
\$SVDEST	00004	00000154	08170	13071
\$SVDOM	00004	00000100	08159	08133
\$SVDSECT	00001	00000000	08113	12656
\$SVEOM	00004	00000120	08153	08127
\$SVEOT	00004	00000110	08149	08123
\$SVHASP	00004	00000190	08191	21588
\$SVHCT	00004	0000017C	08185	13074 13087
\$SVIRDRS	00004	000002B0	08208	12656
\$SVJBSL	00004	00000114	08150	08124
\$SVJOB	00004	000002F0	08231	21408
\$SVJXCLS	00004	0000037C	08290	23836
\$SVJXNUM	00004	00000380	08291	23839
\$SVNULL	00004	00000100	08145	08118 08120 08121 08122 08123 08124 08125 08126 08127 08128 08129 08130 08131 08132 08133 08135 08136 08137 08138 08139 08140 08159
\$SVOPEN	00004	00000138	08160	08135
\$SVPIDLE	00004	00000188	08188	21315 21317
\$SVPOSTE	00004	00000358	08273	08277
\$SVQNAM	00008	0000031C	08251	08249
\$SVRENQ	00004	00000134	08158	08132
\$SVREQID	00004	00000148	08164	08139
\$SVREST	00004	00000144	08163	08138
\$SVRETID	00004	0000014C	08165	08118 08140
\$SVRETN	00002	0000045C	08338	08336 08337
\$SVROUT	00002	000001A6	08204	23597
\$SVSCAT	00001	00000354	08331	16809 17085 24157
\$SVSOUT	00004	00000104	08146	08120
\$SVSSNM	00004	00000320	08253	21321 21321 21322
\$SVSTAT	00004	0000010C	08148	08122
\$SVSTUS	00001	00000194	08192	21541
\$SVSTUSP	00001	00000080	08365	21541
\$SVTERM	00004	00000130	08157	08131
\$SVTGALC	00004	000003F0	08319	16386 17481
\$SVTGTOT	00004	000003F4	08320	16388 17483
\$SVUNAL	00004	0000011C	08152	08126
\$SVUSER	00004	0000012C	08156	08130
\$SVWTO	00004	00000124	08154	08128
\$SYNCTOL	00004	000002A4	09010	21716 21816
\$SYSEXIT	00001	00000004	02590	12070 14838 21501 21557
\$SYSID	00002	00000424	09096	12209 21307 23641
\$TSUNO	00002	000005BC	09201	18858
\$TTIMERA	00004	000000D8	08846	12392
\$UR	00001	00000004	02536	20592 20605 20611
\$WAITR	00004	00000018	08762	20486 20499 20552 20565
\$WAITS	00004	00000014	08761	12063
\$WARMPC	00004	0000049C	09142	21722

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
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BUFCHAIN	00004	00000028	09372	19919	
BUFDCT	00004	0000002C	09374	20470 20543	
BUFDSECT	00001	00000000	09348	09957 10223 19900 19903 20464 20538 20583 20595	
BUFECBCC	00001	00000028	09371	19905 20489 20500 20555 20566	
BUFHASP	00001	00000020	09433	20460 20533 24899	
BUFIOB	00001	00000020	09424	09433 09434 09436 09437	
BUFLOCAL	00001	00000000	09419	09433 09436 09437	
BUFRPL	00001	00000010	09425	09435	
BUFSTART	00008	00000058	09400	09401 09407 09957 10223 20466 20467 20468 20503 20539 20540 20541 20569 20584 20585 20586 20587 20589 20596 20597 20598 20599 20600 20602	
BUFTP	00001	00000080	09420	09434 09435	
CAA	00002	0000276E	15571	14992	
CAACKPT	00002	00002876	15663	15656	
CAAEND	00002	000027B2	15594	15574 15579	
CAAIGN	00004	000027E6	15616	15652 15659 15661	
CAANONE	00002	0000281E	15635	15626	
CAANXT	00004	000027DE	15614	15666	
CAAOPXIT	00002	000027C0	15598	15596	
CAAPRO	00002	00002846	15649	15621	
CAAREL	00002	00002834	15641	15638	
CAASIFND	00002	000027AC	15591	15585	
CAASILOP	00006	00002792	15584	15588	
CAJ	00006	000042BC	18120	14998 18799	
CAJADJWF	00002	000041FC	18036	18006 18025 18032	
CAJCANCL	00002	000041E4	18029	17998	
CAJDISP	00004	00004138	17983	17978 17980	
CAJGO	00004	00004224	18054	18039	
CAJHITA	00002	00004280	18090	18101	
CAJINVO	00004	0000428E	18095	18002 18004 18010 18014 18017 18035 18045 18047	
CAJLOOP	00004	0000413C	17985	17981 18052	
CAJLOOPA	00004	00004228	18056	18155 18791	
CAJLOOPB	00002	0000422C	18057	18154	
CAJLOOPC	00002	00004204	18042	17987 17990 17993 17996	
CAJMSG	00004	000042E0	18131	18122	
CAJMSGGA	00006	000042E4	18132	18188 18301 18305 18337 18344	
CAJMSGB	00002	00004312	18143	18136 18139	
CAJNEXT	00004	0000432A	18152	18203 18447	
CAJNEXTJ	00004	00004250	18074	18092 18100 18103 18107 18110	
CAJNEXTTP	00004	00004336	18155	18084	
CAJNJES2	00002	0000410C	17966	17961	
CAJNLSYS	00002	00004122	17974	17968	
CAJPRO	00004	00004296	18098	18079	
CAJRET	00002	00004354	18165	18157	
CAJSCAN	00002	00004244	18070	18060	
CAJSTOP	00002	00004192	18008	18000	
CAQ	00002	00002882	15674	15004	
CARREL	00002	00002862	15657	15654	
CAS	00002	000042BC	18118	15010	
CAT	00002	000042BC	18119	15016	
CATBATCH	00001	00000080	10304	10307 19140 19144	
CATDSECT	00001	00000000	10280	10288 10290 15685 15688 15710 15720 15728 15728 15729 15729 15735 16245 18941 19140 19142 19144 19146	
CATEND	00001	00000020	10289	10290 15685 15688 15728 15729	
CATJBOPT	00001	00000001	10282	15720 15728 15729 15735 16246 19142 19146	
CATJOBFL	00001	00000000	10281	15710 18942 19140 19144	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CATQHELD	00001	00000001	10323	15720 15728 15729 15735 16246	
CATSTCCL	00001	000000D0	10295	15728 15778 16253 16561	
CATSTCID	00001	0000005B	10298	14065 14101 16044 16591	
CATSTCJB	00001	00000020	10306	10307	
CATTSUCL	00001	000000E0	10296	15729 15782 16259 16562	
CATTSUID	00001	0000007C	10299	14062 14098 16049 16592	
CATTSUJB	00001	00000040	10305	10307	
CATVALID	00001	000000E0	10307	15710 18942	
CATXBACH	00001	00000008	10320	19142 19146	
CA7D	00002	000047C8	18588	14986	
CA7DDUP	00002	000048A6	18662	18759	
CA7DFND	00002	00004A00	18782	18778	
CA7DMVC	00006	0000498E	18742	18661	
CA7DSCN	00006	000049EA	18777	18780	
CA7DSET	00002	000049B2	18760	18686	
CA7DTAB	00002	00004A2C	18798	18775 18805	
CA7DTABN	00001	00000006	18805	18776	
CA7DXIT	00002	00004994	18750	18696	
CB	00004	00005454	19759	15022 19944	
CBEGIN	00004	00000036	11952	11943	
CBFC	00004	000054AE	19794	19773	
CBFCHEK	00002	000054B6	19797	19766 19775	
CBFCHEKD	00004	000054E0	19811	19799	
CBFD	00002	000054A0	19789	19771	
CBFDEFLT	00004	000054D2	19806	19801	
CBFDVALU	00004	00005574	19857	19791 19811	
CBFLOOP	00004	00005462	19766	19787 19792 19795	
CBFPAGES	00004	000054F8	19818	19808 19809 19812 19814	
CBFSET	00004	00005502	19822	19804 19819	
CBFSETA	00002	00005512	19826	19824	
CBXDCTL	00002	0000537A	19669	19851 20003	
CBXINVO	00004	000053BE	19690	19674 19678 19680 19731 19737 19761 19777 19783 19786 19790 19803 19816 19867 19869 19890	
				19953 19966 20018 20070 20150 20166 20712 20713 20748	
CBXNEXT	00004	00005562	19851	19830 20029 20031 20041 20045 20054 20056 20163 20165	
CBXPOST	00004	00005516	19829	19874 19933 19969 20131	
CBXRAT	00002	00005414	19726	19673	
CBXRATD	00004	00005428	19732	19729	
CBXRET	00006	00005566	19852	20167	
CBXTRUNC	00002	000053D8	19696	19854	
CBXTRUND	00002	0000540C	19720	20002 20004 20675 20778	
CBXTRUNI	00004	000053FC	19708	19703	
CBXTRUNL	00004	000053E0	19699	19719	
CBXTRUNN	00004	00005408	19719	19700 19709	
CC	00004	00005578	19866	15058	
CCA	00004	000072C6	22607	15034	
CCAENDAL	00002	000072E0	22614	22616	
CCAFIND	00002	000072DE	22613	22626	
CCANACT	00004	00007302	22625	22610	
CCARET	00002	000072FA	22622	22627 22636 22641 22971 22976	
CCEDSECT	00001	00000000	10882	10888 23847	
CCESJB	00004	00000008	10886	23847	
CCJ	00002	0000435C	18177	15040 18229 18800	
CCJB	00004	00001C74	24573	24558	
CCJB1	00004	00001CC8	24606	24563 24574 24576 24578 24587 24597	
CCJC	00004	00001E5A	24782	24608	
CCJCANC	00004	00001D8C	24693	24796	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CCJCKPT	00002	00001DC4	24715	24698 24700 24710	
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CCJFDUMP	00001	00000040	17953	18030 18033 18631 18634 24812	
CCJFJOB	00001	00000080	17952	18086 18093 18156	
CCJFPURG	00001	00000001	17958	18033 18634 18637 24815	
CCJFSTOP	00001	00000002	17957	18228 24699 24814	
CCJJMAX	00002	00001E96	24804	24557	
CCJNDEV	00004	00001DB0	24709	24694 24789	
CCJNOHLD	00002	00001D7A	24675	24622	
CCJNOJOE	00002	00001D8A	24687	24683	
CCJPITE	00004	00001E4C	24771	24767	
CCJPITTR	00002	00001E3C	24765	24736 24738	
CCJPITUH	00002	00001E44	24768	24731	
CCJPIT1	00004	00001C96	24583	24588	
CCJPIT2	00004	00001C9E	24586	24594	
CCJPOST	00002	00001E1E	24755	24752	
CCJQPUT	00004	00001DB8	24711	24696	
CCJR	00001	00000333	24808	24607 24611 24699 24701 24719 24751	
CCJRCANX	00001	00000020	24813	24701 24719	
CCJRDUMP	00001	00000040	24812	24751	
CCJRET	00002	00001E50	24773	24560 24562 24602 24641 24720 24786	
CCJRETOK	00004	00001DC8	24718	24714	
CCJRPURG	00001	00000001	24815	24607 24611	
CCJRSTOP	00001	00000002	24814	24607	
CCJSAVE	00004	00000330	24807	24549 24769 24774 24808 24809 24810	
CCJSAVEA	00012	00000338	24809	24729 24733 24749 24756 24771	
CCJSJB	00004	00001CAA	24592	24584	
CCJSJBAD	00004	0000036C	24810	24606 24730	
CCJW	00004	00001E8A	24794	24791	
CCJWCAN	00004	00001E8E	24795	24793	
CCJWXEQT	00004	00001E7A	24790	24783	
CCJXNJ	00001	00000000	24818	24556	
CCJXNOP	00001	00000004	24819	24624 24784	
CCJXOK	00001	00000008	24820	24718	
CCNOTCAN	00006	00004374	18186	18182	
CCS	00002	0000435C	18175	15046	
CCT	00002	0000435C	18176	15052	
CC7D	00002	000047C8	18589	15028	
CDA	00002	0000291E	15756	15070	
CDAC	00004	00002926	15759	15890 15895 15916	
CDACK	00002	00002A68	15861	15853	
CDACKALL	00002	00002AAC	15891	15877	
CDACKNXT	00004	00002A3E	15848	15862	
CDAEND	00002	000029F6	15818	15799	
CDAFFSET	00002	00002954	15770	15768	
CDAFIL	00002	00002A74	15872	15759	
CDAINVO	00002	00002AFA	15913	15887	
CDAJOK	00004	00002A28	15838	15835	
CDALOOPA	00004	000029B4	15795	15816	
CDANONE	00002	00002A04	15825	15819	
CDANXT	00004	000029DA	15809	15837 15865	
CDAOI	00004	00002B06	15917	15915	
CDAPRO	00002	00002A16	15830	15814	
CDAQFND	00002	00002AA2	15888	15883	
CDAQLIST	00040	0000018C	15920	15774	
CDAQLOOP	00006	00002A88	15882	15886	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CDAQTYPE	00004	00000188	15919	15775 15795 15797 15838 15920	
CDASET	00004	00002AFE	15915	15899 15902 15905 15908 15911	
CDF	00002	000032D0	16648	15076	
CDFACLS	00006	00003450	16771	16767	
CDFCFLAG	00001	000001A0	16944	16754	
CDFCKR	00006	000034A2	16799	16796	
CDFCNVT	00002	0000360A	16932	16807 16856	
CDFCOMPR	00004	000001D5	16954	16718 16860	
CDFCROUT	00002	000001D8	16955	16715 16738 16821 16832 16841 16892	
CDFECLS	00002	00003546	16849	16783	
CDFEJOA	00004	00003594	16874	16872	
CDFEJOB	00004	00003598	16875	16881	
CDFEJOE	00004	00003588	16871	16770	
CDFEMPTY	00002	000035DE	16901	16895	
CDFEROUT	00002	000001DA	16956	16714 16735 16841	
CDFFCB	00004	0000018C	16940	16743	
CDFFLAGS	00004	000001D4	16948	16718 16718 16794 16797 16835 16859 16871 16889 16891 16894 16918	
CDFHA	00004	0000330E	16668	16662	
CDFHJOB	00004	000001D2	16947	16713 16801	
CDFHOLD	00001	00000010	16952	16700 16702 16794	
CDFINCR	00004	0000352E	16837	16833	
CDFINVO	00004	00003602	16929	16658 16667 16672 16677 16679 16687 16689	
CDFJ	00002	00003322	16674	16664	
CDFJBNH	00004	0000349A	16797	16793	
CDFJOEOK	00001	00000080	16949	16859 16894	
CDFJOT	00004	0000023C	12138	12840 16719 17056 18257 18387 24109	
CDFFLASH	00004	0000019C	16943	16749 16752 16752 16753	
CDFLJOB	00004	000001D0	16946	16712 16799	
CDFMB	00031	000000C5	16962	16741 16748 16748 16963	
CDFMBC	00004	000000CE	16964	16743 16965	
CDFMBF	00004	000000C7	16963	16742 16964	
CDFMBT	00004	000000D5	16965	16744 16966	
CDFMBW	00008	000000DC	16966	16747	
CDFMCC	00006	000000BC	16968	16864	
CDFMCCL	00006	000000B6	16967	16863 16968 16968	
CDFMID	00006	000000B6	16960	16740	
CDFMR1	00010	000000BB	16961	16737 16962	
CDFMVCHR	00006	000033C6	16736	16882	
CDFNCLS	00004	00003444	16768	16850 16861 16865	
CDFNOJO	00004	000035B8	16889	16877	
CDFNOJOP	00004	000035CE	16894	16732 16890	
CDFNROUT	00004	000033AA	16729	16893	
CDFNRTE	00004	000034F2	16821	16805 16817	
CDFNSPEC	00004	000032E2	16655	16692 16699 16701 16703	
CDFNXTJO	00002	0000345C	16779	16787 16795 16798 16800 16802 16815 16822 16824 16831 16836 16840 16842	
CDFNXTLO	00002	000001CE	16945	16735 16823 16834 16892	
CDFOK	00004	0000338A	16712	16655	
CDFORMS	00004	00000188	16939	16742	
CDFOVF	00004	0000355E	16856	16852	
CDFPRNT	00002	000035F0	16911	16862 16873	
CDFPRTRT	00004	000034EE	16819	16813	
CDFR	00004	00003352	16688	16666	
CDFRELJ	00001	00000020	16951	16651 16702 16797	
CDFRSCAN	00001	00000008	16953	16835 16889 16891	
CDFSETA	00004	00003382	16702	16669	
CDFSETH	00004	0000337A	16700	16671	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CDFSETJ	00002	00003372	16697	16682	
CDFSETS	00004	0000336A	16695	16684	
CDFSETT	00004	00003362	16693	16686	
CDFSETUP	00025	00000188	16938	16736 16830 16880	
CDFSOMJO	00001	00000040	16950	16859 16871 16918	
CDFTBRST	00004	00003422	16754	16750	
CDFUCS	00004	00000190	16941	16744	
CDFWTR	00008	00000194	16942	16745 16747	
CDI	00002	00006342	21208	15082	
CDIALL	00004	0000639A	21239	21219 21242	
CDICLAS	00002	00006506	21362	21343 21345 21350 21352 21357 21359	
CDIDIS	00006	000064A0	21338	21259 21269	
CDIFIXIT	00004	000063B6	21248	21224 21239	
CDIFUN	00002	000063DE	21268	21230	
CDIFUNA	00002	000063CA	21258	21240	
CDIIDS	00002	000062BA	21172	21185	
CDIIDSA	00004	000062F0	21186	21174	
CDIIDSCK	00006	00006322	21199	21192	
CDIIDSL	00004	000062BC	21173	21188	
CDIIDSMV	00006	00006334	21203	21183 21198	
CDIINVO	00004	000063AE	21244	21176 21178 21187 21194 21234 21421 21425 21427 21434 21493 21609 21646 21674 21687 21698 21793 21983 21998 22010 22014 22054 22181 22184	
CDIJOBNM	00006	00006558	21383	21375 21380	
CDILNGTH	00004	0000655E	21384	21371 21382	
CDIM	00003	0000656C	21390	21338 21341 21344 21351 21353 21356 21360 21367 21376 21381 21383 21389 21391 21397	
CDIMCLAS	00036	0000658B	21396	21389 21445	
CDIMI	00002	00006574	21392	21367	
CDIML	00001	00000043	21397	21338 21384	
CDIMS	00008	00006577	21393	21341 21344 21351 21353 21356 21360	
CDINAME	00008	00006580	21395	21381 21383	
CDINBSY	00004	000064F8	21358	21355	
CDINDRN	00004	000064C6	21346	21340	
CDINHLT	00006	000064E0	21353	21347	
CDINMID	00001	00006580	21394	21395	
CDIONE	00004	0000636A	21224	21232	
CDIPIA	00002	000065B0	21403	21260	
CDIPITCL	00006	00006566	21389	21365	
CDIPITLP	00004	00006388	21231	21226 21228	
CDIPI1	00004	000065B8	21406	21270	
CDIRET	00002	00006412	21291	21279 21643	
CDITI	00002	000065D0	21419	21262 21272	
CDIW	00002	0000635C	21216	21207 21209 21211 21213	
CDIXBM	00002	0000656C	21391	21376	
CDIXBMNM	00006	0000654E	21381	21378	
CDIXIT	00004	000063F2	21279	21235 21243	
CDJ	00002	00004382	18198	15088 18184 18216 18339	
CDM	00002	00007DB0	23581	15094	
CDMCR	00002	00007DCE	23592	23586	
CDMCSLP	00004	000080E2	23854	23856	
CDMERR	00004	00007DC6	23588	23595 23598 23606 23686 23691 23768 23770 23786 23915 23924 23936 23944 23950 23956 24216 24218 24227 24238 24257 24263 24265 24282 24285 24287	
CDMFRELK	00004	000080F2	23863	23841	
CDMJ	00002	00007EAC	23674	23587	
CDMJCK	00006	00007F82	23742	23715	
CDMJCK1	00004	00007F98	23748	23745	
CDMJDISP	00002	00007FB8	23758	23748	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CDMJEDIT	00001	00008142	23888	23797 23895	
CDMJEDTL	00001	00000026	23895	23797	
CDMJEND	00002	00008124	23880	23794 23866	
CDMJERR	00006	00008106	23871	23779 23781 23785	
CDMJEX	00004	00007EF8	23696	23694	
CDMJEX2	00004	00008080	23823	23821	
CDMJNEXT	00004	00007F12	23708	23747 23763	
CDMJNG	00004	00007F1A	23710	23743	
CDMJNJF	00004	00007F50	23727	23720 23774	
CDMJNJF2	00006	00007F6A	23735	23728	
CDMJNMV	00006	00008136	23886	23696	
CDMJOBID	00002	00007FCA	23765	23678 23681 23684	
CDMJSCAN	00002	00007EFE	23698	23756	
CDMJXEQ	00002	00007FEC	23777	23722	
CDMLL	00004	00007E62	23635	23646	
CDMLOC	00006	00007E7E	23641	23638	
CDMPMA	00002	00007DF8	23604	23601	
CDMPMB	00004	00007DFE	23606	23603	
CDMPMC	00002	00007E56	23631	23629	
CDMRRH	00004	000001DC	23657	23584 23599 23605 23632 23658	
CDMRRL	00004	000001E0	23658	23583 23605 23637 23640	
CDMSJBLP	00002	000080B6	23840	23838 23845	
CDMSJBOK	00004	000080CC	23846	23843	
CDMS34MV	00006	0000813C	23887	23823	
CDMTEXT	00006	00007E96	23651	23612	
CDMVCTXT	00004	00008066	23814	23806	
CDMWTO	00001	00007E9C	23660	23636	
CDN	00004	00002B0A	15927	15100	
CDNALL	00001	00000001	16595	15986 16457	
CDNCTR	00002	000030BA	16454	15927	
CDNFLAG	00001	0000021A	16594	15928 15937 15986 16012 16021 16023 16031 16033 16139 16141 16155 16268 16334 16351 16373 16457 16520 16540	
CDNFLGN	00001	00000020	16599	15928 16155	
CDNIND	00001	00000002	16596	16012 16268 16351 16373	
CDNNXT	00004	00003112	16488	16499	
CDNOTALL	00002	000030E8	16467	16456 16458	
CDNPRO	00002	00003138	16498	16493	
CDNQTEST	00004	00003142	16503	16422 16462 16465	
CDNROUT	00001	00000004	16597	16021 16023	
CDNRSCAN	00001	00000010	16600	16139 16141 16334 16540	
CDNTYPE	00001	00000008	16598	16031 16033 16520	
CDO	00002	000077FC	23013	15106	
CDP	00001	00003B8E	17439	15113	
CDPALLC	00004	00003BE4	17471	17453 17475	
CDPCBLNK	00010	00003DA0	17612	17572	
CDPCCLID	00008	00003D7C	17608	17568 17622	
CDPCJID	00005	00003D64	17603	17552 17618	
CDPCJNID	00003	00003D73	17606	17563 17620	
CDPCJPAT	00006	00003D76	17607	17561 17621	
CDPCLIC	00026	00003DAA	17613	17539 17539 17540 17543	
CDPCLINS	00010	00003D84	17609	17592 17624	
CDPCLPAT	00008	00003D8E	17610	17590 17625	
CDPCLSES	00036	00003BB8	17465	17455 17457 17473 17497 17750 17755 17756 17767 17768 17898	
CDPCONJN	00004	00003CEA	17560	17554 17557	
CDPCPRIN	00010	00003D96	17611	17577 17612 17626	
CDPCSID	00005	00003D6E	17605	17558	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CDPCTID	00005	00003D69	17604	17555	
CDPEND	00001	00003BF6	17477	17469	
CDPFNCLS	00004	00003BA0	17456	17460	
CDPHAVCL	00002	00003BDC	17467	17459	
CDPICLAS	00002	00003D02	17566	17518	
CDPIJOB	00002	00003CBA	17549	17517	
CDPILNS	00002	00003D10	17571	17519	
CDPINCM	00006	00003CA0	17539	17531	
CDPNOTPR	00004	00003D4C	17589	17575 17580 17584	
CDPNXTJO	00004	00003C40	17504	17537	
CDPNXTJX	00004	00003C80	17529	17535	
CDPOCLAS	00001	000000D3	17623	17567 17624 17624	
CDPOCLID	00008	000000CB	17622	17568 17623 17623	
CDPOJID	00005	000000B6	17618	17552 17555 17558 17619 17619	
CDPOJNAM	00008	000000BB	17619	17550 17620 17620	
CDPOJNID	00003	000000C3	17620	17563 17621 17621	
CDPOJNUM	00006	000000C5	17621	17561 17562 17562 17622 17622	
CDPOLEN	00010	00000039	17627	17523	
CDPOLINS	00010	000000D4	17624	17592 17625 17625	
CDPONLIN	00008	000000DD	17625	17590 17591 17591 17626 17626	
CDPOPRIN	00010	000000E5	17626	17572 17577 17627 17627	
CDPPRC	00002	00003C24	17495	17468 17472	
CDPPRCR	00004	00003CB4	17546	17506	
CDQ	00004	00002B16	15936	15120	
CDQB	00002	0000276C	16601	16545 16546 16547 16548 16550	
CDQBREAK	00002	00002B1E	15956	15929	
CDQCKRTE	00006	00003036	16402	16211 16365 16526	
CDQCKRTU	00006	00003048	16406	16403	
CDQCKSID	00002	0000305E	16413	16214 16298 16364 16527	
CDQCOMMN	00002	00002F04	16302	16281 16284	
CDQCTHLD	00004	0000318E	16528	16511	
CDQCTR	00004	00003146	16510	15936	
CDQCTRA	00002	0000316E	16519	16514 16532 16537	
CDQCTRB	00002	00003196	16530	16516	
CDQCTRC	00002	000031A6	16535	16518	
CDQCTRD	00002	000031B2	16539	16534	
CDQDEFR	00004	000001E0	16571	15963 16101 16572 16573 16574 16575 16576	
CDQEND	00004	00003004	16384	16166 16548	
CDQENDD	00002	000031D2	16548	16079 16092 16095 16176	
CDQENDS	00006	00002CFE	16079	16037 16039 16066 16070 16075	
CDQHIT	00002	00002F66	16333	16314 16327	
CDQHLD	00004	00002FB8	16359	16550	
CDQHLLD	00002	000031D4	16550	16078 16510	
CDQHLLDE	00002	00002FD6	16368	16163 16359	
CDQHLDT	00006	00002CEE	16076	16073	
CDQINCR	00006	00002DBE	16152	16147	
CDQIND	00004	00002BE8	16012	15989	
CDQINVO	00002	00002BBE	16001	16011 16018 16022 16030 16032 16077	
CDQINVOA	00004	00002BBA	15999	16025 16062	
CDQLOCAL	00006	00002B3C	15968	15964	
CDQLOGID	00001	00003213	16592	16261	
CDQLOOP	00002	00002D24	16093	16153 16175 16177	
CDQLOOPB	00002	00002D46	16102	16100 16143 16150	
CDQNEXT	00004	00002DA6	16145	16140	
CDQNOCAT	00002	00002E86	16252	16239 16247	
CDQNOSTC	00002	00002E9C	16258	16254	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CDQNRES	00004	00002D92	16139	16129	
CDQNXT	00004	00002D62	16121	16213 16283 16300 16311 16316 16324 16329 16335 16361 16363 16407 16410 16418 16423 16463	
				16466 16502 16521 16523 16525 16529 16541	
CDQNXTCL	00006	00002CA4	16058	16061	
CDQNXTOP	00004	00002BF4	16015	16028 16080	
CDQOUT	00002	00002EF4	16294	16546	
CDQOUTD	00002	000031C2	16546	16069 16097	
CDQOUTE	00002	00002F8E	16346	16295	
CDQOUTT	00006	00002CC6	16067	16035	
CDQPPU	00002	00002EDC	16278	16547	
CDQPPUD	00002	000031CA	16547	16074 16092 16099 16176 16455 16455	
CDQPPUE	00002	00002F6E	16337	16279	
CDQPPUTT	00002	00002CDA	16071	16068	
CDQPRT	00004	00002F1A	16310	16331	
CDQPRTC	00006	00002F56	16328	16321	
CDQPUN	00004	00002F46	16323	16318	
CDQPUNC	00006	00002F2A	16315	16308	
CDQPUNL	00006	00002F3A	16320	16305	
CDQQSEAF	00008	00003219	16602	15984	
CDQQTYPS	00001	000031E0	16553	16550	
CDQRALLD	00002	000031DC	16551	15963	
CDQRBNBH	00002	000001E0	16572	15966 16027 16404 16408	
CDQRBNBL	00002	000001E2	16573	15967 16026 16402 16406	
CDQRES	00002	00002D8E	16135	16274 16344 16352 16355 16497	
CDQROUT	00004	00002C04	16019	15974 16009	
CDQRTD	00004	00002B30	15965	15962	
CDQS	00001	000031BA	16543	15970 16092 16176 16549	
CDQSE	00026	000001E6	16576	15970 16152 16173 16577 16593	
CDQSECDD	00008	000001EE	16580	16079 16152	
CDQSEE	00008	000001E6	16577	16069 16074 16078 16088 16092 16094 16152 16152 16176 16455 16578 16579 16580 16580 16580	
CDQSESAV	00026	00000200	16593	16088 16173 16594	
CDQSHI	00002	000001DC	16569	16101 16104	
CDQSIDFD	00006	00002BC2	16003	15995	
CDQSIDHI	00001	000001E5	16575	15969 15978 15985 16004 16014 16090 16165 16174	
CDQSIDLK	00006	00002B96	15988	15981	
CDQSIDLL	00006	00002BA4	15994	15998	
CDQSIDLO	00001	000001E4	16574	15968 15977 15982 16003 16013 16090 16165 16168 16170 16172 16174 16238 16415 16417 16421	
				16428 16435 16460	
CDQSIDM	00004	00002DC8	16155	16096	
CDQSIDMO	00006	00002B74	15980	15976	
CDQSIDN	00006	00002DE6	16165	16156 16158 16380	
CDQSIDND	00004	00002BCE	16006	15979 15987	
CDQSIDNM	00002	00003082	16427	16265 16348 16370	
CDQSIDS	00002	00003074	16420	16416	
CDQSL	00001	0000001A	16549	16576 16593 16593 16594	
CDQSLO	00002	000001DE	16570	16142 16307 16315 16320 16328 16339 16515 16517 16571 16571	
CDQSPECA	00002	00003090	16432	16429	
CDQSYSNM	00002	00002EAE	16263	16235 16250 16257 16260	
CDQTSKID	00001	0000320D	16591	16255	
CDQTYPE	00004	00002C2C	16029	16020	
CDQTYPE\$	00001	000031E7	16561	16043	
CDQTYPE@	00001	000031E8	16562	16048	
CDQTYPEA	00001	000031E9	16563	15786 16055 16563	
CDQTYPEC	00001	000031E6	16560	16040 16545	
CDQTYPEJ	00001	000031F2	16564	16564	
CDQTYPEO	00001	000031E0	16554	16546 16546 16547	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CDQTYPEP	00001	000031E1	16555	16547	
CDQTYPE5	00001	000031FB	16565	16565	
CDQTYPE0	00001	00003203	16566	16566	
CDQTYPE9	00001	0000320C	16567	16545 16550	
CDQTYPHI	00003	000001EB	16579	16065 16146	
CDQTYPLO	00003	000001E8	16578	16064 16111 16145 16149 16233 16478	
CDQXCLS	00004	00002CBA	16064	16042 16045 16047 16050 16052 16059	
CDQXEQ	00004	00002E1E	16210	16545	
CDQXEQE	00002	00002E34	16230	16210	
CDQXITT	00002	00002D08	16087	15971 16006 16015	
CDREND	00002	00007840	23037	23020	
CDRLOOP	00002	000077FE	23017	23036	
CDRLOOPA	00004	00007802	23019	23022	
CDRMVC	00006	00007862	23050	23029	
CDRNREQ	00002	00007850	23045	23039	
CDS	00002	00004382	18195	15126	
CDT	00002	00004382	18196	15132	
CDU	00002	00007868	23091	15138	
CDUBRNCH	00004	00007C0E	23412	23240	
CDUCLC	00006	0000791C	23152	23114	
CDUDCTD	00002	00007A08	23242	23236	
CDUDEVTP	00004	000001D9	23429	23237 23375	
CDUDSPL	00004	000079F0	23235	23231 23233	
CDUERR	00004	000078BE	23122	23119	
CDUEXITC	00004	00007BE8	23398	23391	
CDUEXITN	00002	00007C02	23407	23399	
CDUFIND	00004	0000787E	23102	23128	
CDUFLACT	00001	00000008	23439	23217 23344 23531	
CDUFLAG1	00004	000001D8	23417	23147 23232 23235 23251 23319 23336 23338 23373	
CDUFLAG2	00004	000001DB	23433	23122 23125 23135 23217 23224 23230 23246 23321 23325 23330 23343 23344 23390 23398 23531	
				23536 23541	
CDUFLCLS	00001	00000004	23425	23235 23461 23523	
CDUFLERR	00001	00000040	23436	23122 23390	
CDUFLFND	00001	00000020	23437	23246 23398	
CDUFLGRP	00001	00000080	23420	23336 23461 23502 23507 23512 23517 23523	
CDUFLLU	00001	00000002	23426	23251 23492 23497 23517 23543	
CDUFLMOD	00001	00000001	23427	23123 23528 23533 23538	
CDUFLNEX	00001	00000008	23424	23232 23461	
CDUFLONE	00001	00000000	23419	23492 23497 23543	
CDUFLOPR	00001	00000010	23438	23125 23135	
CDUFLRAT	00001	00000010	23423	23338 23512 23517	
CDUFLRMT	00001	00000020	23422	23319 23487 23492 23497 23512 23517	
CDUFLSHT	00001	00000002	23441	23230 23541	
CDUFLSTR	00001	00000004	23440	23224 23536	
CDUFLSUB	00001	00000080	23435	23321 23325 23330 23343	
CDUFLTYP	00001	000000C0	23421	23373 23467 23472 23477 23482 23487	
CDUFND	00004	000078A8	23116	23099	
CDUGO	00002	000078AC	23117	23162 23164 23196	
CDUGROUP	00004	00007BA2	23364	23339	
CDUGRPLP	00004	00007B44	23336	23320 23324	
CDUGRPL1	00004	00007B54	23340	23350	
CDUINDEX	00004	000078B6	23120	23193	
CDULOGLU	00004	00007A34	23259	23254	
CDULOOP	00004	00007BC4	23382	23141 23337 23342 23367 23530 23535 23540	
CDULUALC	00006	00007A76	23274	23269 23271	
CDULUCHN	00004	00007B08	23311	23309	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CDULUCLO	00004	00007AA4	23284	23276	
CDULUDSP	00004	00007ADA	23298	23273 23289	
CDULULOG	00004	00007AB2	23287	23281 23283 23285	
CDULUNX	00004	00007AF8	23307	23278	
CDULUOOP	00004	00007A4E	23265	23314	
CDULUTGD	00002	00007AD8	23297	23293	
CDUMASK	00004	000001DA	23431	23148 23239	
CDUMDTST	00004	000078C2	23123	23121	
CDUNEXT	00004	000078EE	23139	23136 23384	
CDUNOFND	00002	00007922	23159	23112 23495 23500	
CDUNOTOP	00004	000078CE	23126	23124	
CDUREMOT	00002	0000797C	23201	23514 23520	
CDURERR	00002	00007976	23195	23172 23182 23186 23188	
CDURMALL	00004	00007934	23169	23515	
CDURMGP1	00002	00007B7A	23351	23345	
CDURMGRP	00004	00007B5E	23343	23211	
CDURMT	00002	00007966	23189	23173	
CDURMTS	00002	00007946	23179	23521	
CDURSUB	00004	00007B16	23319	23222 23229 23252 23256 23258 23261 23306 23412	
CDUSHTST	00004	000079DC	23230	23223 23225 23227	
CDUSPLAY	00004	000079A2	23216	23329 23361 23363 23374 23377 23464 23469 23474 23479 23484 23489 23494 23499 23504 23509 23525 23545	
CDUSRCH	00004	0000788A	23108	23115	
CDUSTEST	00004	000079C4	23224	23218	
CDUSUB	00004	00007B34	23327	23322	
CDUTABLE	00004	00007C14	23459	23097 23103 23137 23146	
CDUTBFL1	00001	00000000	23446	23123 23147	
CDUTBKEY	00001	00000004	23450	23152	
CDUTBLEN	00001	00000002	23448	23113	
CDUTBMSK	00001	00000003	23449	23148	
CDUTBRTN	00001	00000008	23451	23149	
CDUTBSET	00001	0000000C	23452	23110 23116 23137	
CDUTBSZ	00001	00000010	23453	23108 23552	
CDUTM	00004	00007C0A	23411	23238	
CDUZINUS	00004	000079D4	23228	23220	
CD7D	00002	000047C8	18587	15064 18588 18589 18590 18591 18592 18593 18594 18595	
CD7DA	00002	0000485E	18639	18630	
CD7DCK	00002	0000495C	18726	18716	
CD7DCKL	00004	0000492C	18711	18727	
CD7DCMV	00006	00004830	18627	18620	
CD7DCN	00002	00004836	18628	18605	
CD7DCTST	00006	0000482A	18626	18613	
CD7DINV	00002	0000498A	18740	18625 18655	
CD7DINVC	00002	00004822	18623	18611 18614	
CD7DINVO	00004	00004986	18738	18766 18781	
CD7DL	00004	000048C2	18674	18694	
CD7DNFND	00006	0000496E	18731	18684	
CD7DNL	00002	00004872	18645	18607 18622 18633 18636 18638 18641 18643	
CD7DNTFD	00002	0000494A	18719	18729	
CD7DNXT	00004	000048BA	18672	18730 18752	
CD7DPRO	00002	000048FA	18692	18679	
CE	00002	00005598	19884	15162	
CEDEVCK	00004	000055B0	19891	19886 19888	
CEJ	00004	00004458	18312	15150 18801	
CEJE	00004	000044BC	18338	18330	
CEJERR	00006	000044AE	18335	18313 18315 18317 18319 18327	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CEJERROR	00002	000044C4	18340	18333	
CEJLOOPE	00004	00004484	18324	18332	
CEJNPIT	00004	000044A2	18331	18325	
CEPURGE	00008	00000388	19934	19908	19909 19909 19910 19911
CES	00002	00006812	21665	15156	
CESLOOP	00006	0000685C	21693	21697	
CESYSACT	00002	00006922	21761	21717	
CESYSERF	00002	00006910	21750	21744	
CESYSERL	00002	000068F6	21743	21747	
CESYSERR	00002	000068EC	21738	21711	
CESYSFND	00002	00006876	21699	21694	
CESYSLN1	00001	00000016	21777	21739	21748 21751 21752
CESYSLN2	00001	00000023	21780	21772	21773
CESYSMS1	00022	0000694C	21776	21739	21777
CESYSMS2	00035	00006962	21779	21772	21780
CESYSN\$E	00006	0000693E	21772	21764	
CESYSNRS	00002	0000684C	21684	21677	21680
CESYSOK	00002	00006820	21670	21667	
CESYSOKM	00002	000068E4	21732	21683	21704
CESYSQS	00002	0000688C	21706	21701	
CESYSWTO	00002	0000691A	21753	21749	21774
CEXGOOD	00004	0000563A	19931	19893	19897 19904 19906 19917 19956
CEXPOST	00004	0000561E	19922	19895	
CE7D	00002	000047C8	18590	15144	
CF	00004	00005454	19944	15168	
CHA	00002	0000276E	15572	15180	
CHAAMSG	00002	0000283E	15644	15640	
CHACT	00001	00000007	07422	24601	24743
CHASM	00001	00000028	07475	07538	
CHATEST	00004	0000287E	15667	15651	
CHCECB	00004	0000003C	07496	24748	
CHCL	00001	00000008	07427	24601	
CHCLD	00001	00000004	07428	24743	
CHJ	00004	00004394	18212	15186	18802
CHQ	00002	00002882	15681	15192	
CHQA	00002	00002900	15723	15736	
CHQH	00004	00002912	15735	15719	
CHQINVO	00002	0000291A	15739	15698	15703 15711
CHQL	00004	00002894	15687	15689	
CHQLIST	00002	000028A0	15692	15684	
CHQLL	00002	000028C6	15705	15714	
CHQSET	00002	000028F0	15717	15687	15712
CHQTEST	00006	000028EA	15715	15701	
CHS	00002	00004394	18210	15198	
CHT	00002	00004394	18211	15204	
CH7D	00002	000047C8	18591	15174	
CI	00004	00005646	19952	15210	
CIP\$NLUP	00004	00001ED6	24886	24892	24894
CIPDSTER	00004	00001F4A	24936	24938	
CIPFBUF	00002	00001F92	24995	24925	24940
CIPGETB	00004	00001EFC	24898	24888	
CIPIOT1	00004	00001F64	24941	24934	
CIPOSTX	00001	00000080	21447	21294	21411
CIPPSO	00004	00001F78	24974	24942	
CIPRMJO	00002	00001F9A	25000	24873	24895 24901
CJS0375A	00004	000027D2	15611	15624	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CJS0375B	00004	000027E2	15615	15613	
CJS0375C	00004	000027FE	15622	15618	
CJS0400C	00002	000029F2	15815	15811	
CJS0411C	00002	00002A56	15854	15850	
CJS0426C	00002	00002D7A	16127	16123	
CJS0451C	00002	0000312A	16494	16490	
CJS0489A	00004	00003928	17258	17271	
CJS0489B	00004	00003938	17262	17260	
CJS0489C	00004	00003954	17269	17265	
CJS0517A	00004	00003DFC	17665	17675	
CJS0517C	00004	00003E1C	17673	17669	
CJS0557A	00004	00004248	18072	18082	
CJS0557C	00004	00004268	18080	18076	
CJS0623A	00004	000048AE	18669	18682	
CJS0623B	00004	000048BE	18673	18671	
CJS0623C	00004	000048DA	18680	18676	
CJS0632A	00004	00004928	18710	18718	
CJS0632C	00002	00004944	18717	18713	
CJS0680A	00004	00004CD8	19045	19055	
CJS0680C	00004	00004CF8	19053	19049	
CJS0717A	00004	000050F8	19446	19456	
CJS0717C	00004	00005118	19454	19450	
CJS0944A	00004	00006C42	22071	22084	
CJS0944B	00004	00006C52	22075	22073	
CJS0944C	00004	00006C6E	22082	22078	
CJS1082A	00004	00007F06	23705	23718	
CJS1082B	00004	00007F16	23709	23707	
CJS1082C	00004	00007F32	23716	23712	
CJS1129A	00004	00008220	23977	23987	
CJS1129C	00004	00008240	23985	23981	
CJS1165A	00004	00008518	24316	24326	
CJS1165C	00004	00008538	24324	24320	
CJS1172A	00004	00008564	24351	24359	
CJS1172C	00002	00008580	24358	24354	
CKPFXLST	00001	00000103	11385	11388	11388
CKPRLSID	00001	00000102	11383	21682	21703
CLJ	00002	000044D8	18355	15222	18803
CLJ\$WTO	00002	000045D0	18445	18531	
CLJCKMSG	00002	000045D8	18449	18423	18514
CLJCLAS	00072	0000021C	18544	18480	18481 18481 18481 18502
CLJENDJO	00002	00004572	18408	18396	
CLJHLDDS	00002	00004610	18475	18374	
CLJHLDLP	00002	00004654	18498	18504	18515
CLJHLDND	00002	0000468E	18519	18499	
CLJHLDTB	00036	000046AA	18535	17412	18414 18506
CLJHOLD	00001	00000004	17956	18005	18373 18644
CLJJQE	00004	00000218	18543	18482	18483 18544
CLJMSGC	00002	0000450E	18368	18362	18365
CLJNOHLD	00002	0000469C	18528	18478	
CLJNXJOE	00004	000045A8	18424	18410	
CLJOES	00004	00004542	18394	18404	18406
CLJOLOOP	00002	0000453C	18391	18426	
CLJOVJOE	00004	000045A0	18422	18418	
CLJRDYND	00002	000045C4	18437	18428	
CLJWTO	00002	000045C8	18440	18524	
CLS	00002	000044D8	18354	15228	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CLSTIME	00002	00006A62	21882	21858	
CLSYDMSK	00013	00006B45	21951	21923	
CLSYLEAP	00002	00006AB4	21912	21908	
CLSYRTN	00002	00006B28	21945	21885	
CLSYS	00002	00006986	21791	18562	
CLSYSACT	00004	00006A16	21843	21817	
CLSYSDAT	00013	00000013	21957	21923 21958 21960	
CLSYSDWN	00002	000069DC	21821	21811	
CLSYSHR	00002	0000000B	21954	21942 21955	
CLSYSJDA	00003	0000001D	21959	21926	
CLSYSLP	00004	00006996	21797	21828 21846	
CLSYSMIN	00002	0000000E	21955	21939 21956	
CLSYSMVC	00006	000069AA	21805	21795	
CLSYSNRS	00006	00006A26	21848	21844	
CLSYSQSE	00004	000069A6	21804	21798	
CLSYSRST	00006	000069EE	21830	21766 21845	
CLSYSSEC	00002	00000011	21956	21934 21957	
CLSYSTD	00001	00000020	21960	21859	
CLSYSTIM	00019	00000000	21953	21918 21922 21954 21960	
CLSYSTOD	00004	00006A4C	21857	21820 21851 21853	
CLSYSWTO	00002	000069E6	21824	21862	
CLSYSYR	00002	0000001A	21958	21925 21959	
CLSYTCVD	00004	00006AC2	21920	21948	
CLSYTMSK	00019	00006B32	21950	21922	
CLSY1900	00004	00006B2A	21947	21899	
CLT	00002	000044D8	18353	15234	
CL7D	00002	000047C8	18592	15216	
CMB	00152	00000000	09464	23018	
CMBCMB	00004	00000000	09440	12088 12089 12095 23018 23019	
CMBDOMID	00004	0000000E	09479	23021 23023	
CMBDSECT	00001	00000000	09439	09463 09464 12065 12203 14510 23015	
CMBFLAG	00001	00000004	09441	12207 12208 14511 14518	
CMBFLAGC	00001	00000080	09494	12007 12115 14520 21645	
CMBFLAGD	00001	00000002	09500	14520	
CMBFLAGJ	00001	00000004	09499	14520	
CMBFLAGR	00001	00000008	09498	13159 14520 15490 15961 19675 19728 20716 20985 21008 22562	
CMBFLAGS	00001	00000001	09501	14520 20716 20985 21008	
CMBFLAGT	00001	00000020	09496	20809	
CMBFLAGU	00001	00000010	09497	11991 12009 12034 12111 14524 14700 14807 14856 20809 22331 22883 23628 23805	
CMBFLAGW	00001	00000040	09495	12539 13006 14779 20638 23625 23628 23639	
CMBFM	00002	00000012	09450	12209 14522	
CMBFMSYS	00001	00000012	09451	14523	
CMBJOBID	00008	0000001D	09456	23026 23026 23032 23050	
CMBJOB	00008	0000002F	09459	23027 23050	
CMBL	00001	00000098	09463	09464	
CMBML	00001	00000007	09445	14539 14579 23025	
CMBMSG	00132	00000014	09453	09461 09461 12211 14537 14584 14602 23027	
CMBOUT	00008	0000000A	09449	09468 09476 09483 09489	
CMBUCM	00001	0000000A	09469	12210 12222 14517	
CN	00004	0000565A	19964	15240	
COBTABLE	00004	0000006E	11966	12112 12114 12116 12118 12140 12141 12141 12142 12143	
COCOMLOP	00004	0000203C	14558	14589 14639	
COCOMMA	00004	000020D6	14618	14615	
COCOMNXT	00002	000020EA	14638	14574 14597 14614 14617 14620	
COFAFF	00001	00000118	13996	13997 14203 15758 15760 15771 15773 15889 15894 16471 18200 18701 19224 23760 24335	
COFAFFTS	00004	000016CE	14203	14051 14127	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
COFAGAIN	00004	00001924	14407	14433	
COFAX	00009	000000C8	13998	13999 14000 14001 14057	
COFAXC	00001	000000D2	13999	14058 14059 14062 14065	
COFAXL	00004	0000000E	14005	14070 14186	
COFAXT	00051	000000D4	14002	14056 14185	
COFA0222	00004	00001134	13685	13671	
COFB0222	00004	000010FE	13670	13675	
COFCKLN	00002	00001934	14411	14416	
COFCVB	00002	00000456	12436	13093 16676 17708 18044 18869 18962 19306 19782 20699 20747 20816 22274 22493 23181 23594 23767 24262	
COFCVE	00002	000004BA	12490	14294 14303 14945 16131 16160 16391 16854 17486 18144 18370 18420 18511 18884 19502 22397 22404 22856 23624	
COFC0222	00002	00001122	13679	13672	
COFD	00001	00000010	13967	13968 13973 14076 14112 15763 15764 15766 15788 15906	
COFDCTD	00002	00000B60	13243	21115 23551	
COFDCTL	00002	000004CC	12522	19670 23160	
COFDCTPL	00001	0000072C	12697	12664	
COFDEV	00008	000000CB	14001	14002 14005 14146 14153 14160 14167 14168 14170 14171 14172	
COFDEVCR	00002	00001590	14118	14084 14198	
COFDEVCT	00004	00001588	14116	14201	
COFDEVID	00153	000001DC	12891	12822 12823 12823 12828 12829 12830 12839 12878 12892 12893	
COFDEVL	00001	00000099	12890	12891 12892 12893	
COFDEVLL	00001	000000A0	12889	12823 12890	
COFDEVND	00002	0000168A	14184	14148 14158 14161	
COFDEVSV	00004	00000278	12893	12825 12873 12879 12881 12883	
COFDEVTB	00001	000019A2	14451	14456 14470	
COFDEVTL	00001	00000009	14456	14477	
COFDVEND	00153	00000275	12892	12824	
COFD0222	00004	0000110A	13673	13683	
COFE0222	00002	000011C8	13743	13741	
COFFLAGS	00009	000000EA	13990	13991 14306 14310 14314 14318 14322	
COFG0222	00002	0000119E	13723	13721	
COFI	00001	00000020	13969	13972 13973 14030 14088	
COFINDP	00003	00000112	13993	13994	
COFINMVC	00002	000020F0	14647	14581 14591	
COFINVC	00006	00000794	12747	14819 21669 21981 22178 22695	
COFINVO	00006	000007A6	12766	15590 15740 15914 16002 16931 17018 17463 17733 18097 18741 18929 19345 21246 22462 22542 23590	
COFI0222	00006	00000C86	13320	13297	
COFJ	00001	00000007	13965	13968 13972 13973 15767 15769	
COFJBTST	00004	0000147E	14037	14018	
COFJDCT	00002	000007C4	12820	14082 14114	
COFJDCTC	00002	00000854	12880	14196 14199	
COFJFINI	00002	00001986	14440	14408	
COFJMAFA	00002	00001872	14335	14055 14135	
COFJMAFF	00004	00001912	14395	14373	
COFJMAFQ	00002	000018A2	14357	14033 14091 14217 14260	
COFJMAF1	00002	000018C2	14366	14362	
COFJMAF2	00002	000018F2	14383	14365	
COFJMAF3	00004	000018CA	14372	14380	
COFJMAF4	00002	000018E0	14377	14374	
COFJMAF5	00002	00001904	14388	14385	
COFJMB	00004	000017B0	14275	14032 14053 14090 14131 14216 14235 14259	
COFJMBA	00002	000017E2	14293	14281 14287	
COFJMBA	00002	00001864	14324	14309 14313 14317 14321	
COFJMD	00004	00001574	14111	14044 14052 14089	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
COFJMDAX	00002	000014EC	14066	14061 14064	
COFJMDC	00004	000016B6	14196	14119	
COFJMDCC	00004	000016C2	14199	14116	
COFJMDQX	00002	00001566	14102	14097 14100	
COFJMDXC	00002	00001506	14075	14105	
COFJMNJ	00004	000017C6	14282	14277	
COFJMNT	00002	000017D8	14289	14283	
COFJMQO	00004	000016D2	14209	14113 14115 14200	
COFJMQPA	00004	00001724	14233	14215	
COFJMQPG	00004	00001770	14255	14232 14234	
COFJMQPP	00004	0000171C	14231	14211 14213	
COFJMQX	00004	00001528	14088	14042	
COFJMSG	00002	00001426	13956	16611 18554 18811 19260 24443	
COFJMT	00002	00001574	14106	14024	
COFJMX	00004	00001482	14041	14026	
COFJNAME	00008	000000BF	13977	13978 14296 14297 14297 14297 14298 18132 18146 18372 18896 19504	
COFJNO	00005	000000B9	13976	13977 14295 18145 18371 18885 18892 18893 19503	
COFJOB	00003	000000B6	13975	13976 14060 14063 14096 14099 14246 14280 14286 14290 14325 14343 14345 14360 14389 14409 14410 14414 14427 14428 14428 14428 14431 14435 14435 18131 18134 18137 18140 18187 18300 18304 18336 18343 18360 18363 18366 18885 18886 18896 19492 19495 19499 19566 19570 19579 19591	
COFJOIN	00002	00001594	14120	14117	
COFJWTO	00002	00001916	14402	14073 14104 14193 14270	
COFJ0222	00004	00000F64	13545	13530 13541	
COFK0222	00006	00000F56	13542	13538	
COFLDFLT	00004	00000894	12922	12918	
COFLDLM	00004	00000898	12923	12915 12920	
COFLESS	00002	0000193A	14413	14417	
COFLIM	00004	0000086C	12910	20382	
COFLIM	00002	000008A6	12927	12924	
COFLNGTH	00001	00000119	13997	14069 14072 14188 14190 14222 14225 14245 14249 14265 14268 14327 14342 14348 14359 14391 14406 14420 14432	
COFLNLUP	00004	000008BE	12937	12949	
COFLNOK	00002	0000194C	14418	14412	
COFLNUM	00002	000008AC	12931	12910 12919	
COFL0199	00004	0000065C	12635	12631	
COFL0222	00002	000011F6	13762	13764	
COFMVMSG	00006	00001980	14435	14430	
COFM0222	00004	000012C2	13825	13811 13818 13822	
COFN	00001	00000001	13962	13965 14017 15763 15784 15897	
COFN0222	00004	00000CFE	13361	13353 13355	
COFO	00001	00000040	13970	13972 13973 14210	
COFON	00002	000000C8	14000	14136	
COFOPT	00001	00000117	13995	13996 14030 14037 14043 14076 14088 14112 14210 14233 14257 15757 15757 15758 15760 15760 15761 15763 15764 15766 15767 15769 15776 15780 15784 15788 15889 15894 15917 15917 16470 18199 18700 19223 23759 24334	
COFO0222	00006	00000D18	13373	13360	
COFP	00001	00000080	13971	13972 13973 14233	
COFPRDEV	00001	000019B4	14454	13182	
COFPRI	00002	000000E7	13989	13990 14304 14304	
COFPRINT	00003	000006F4	12693	13181	
COFPRIO	00004	000000E2	13988	13989 14002 14003 14004 14005 14006 14007 14056 14185 14220 14263 14299	
COFPRT	00003	000000C8	13982	13983 13984 14236	
COFPRTR	00010	000000CB	13983	14238	
COFPSO	00002	0000162E	14159	14140	
COFPUN	00003	000000D5	13984	13985 14237	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
COFPUNR	00010	000000D8	13985	13988 14241	
COFPURGE	00005	000000D1	13987	14004 14007 14262	
COFP0222	00006	00000BA0	13262	13250	
COFQ	00001	000000E7	13972	14257 16470	
COFQMADS	00002	000017AA	14269	14036 14226 14250	
COFQOL	00004	0000000A	14006	14223	
COFQOT	00051	000000D8	14003	14220	
COFQOUT	00006	000000D1	13986	14003 14006 14219	
COFQPL	00004	0000000B	14007	14266	
COFQPT	00051	000000D7	14004	14263	
COFQUE	00008	000000C8	13978	13979 13982 13998 14034 14092 14218 14261 14428 14431 14435 18120 18124 18131 18186 18187 18299 18300 18303 18304 18335 18336 18341 18342 18343 18375 18376 18429 18430 18466 18490 18491 18529 18530 19565 19566 19569 19570 19577 19579 19590 19591	
COFQX	00009	000000D1	13979	13980 13981 13986 13987 14093	
COFQXC	00001	000000DB	13980	14094 14095 14098 14101	
COFQXU	00011	000000D1	13981	14035	
COFRMDEV	00002	00001638	14163	14138	
COFRMDVT	00001	000019C6	14458	14180	
COFRTC	00002	000008EA	12969	13422 13644 13649 14240 14243 16341 16739 17299 19578	
COFRTCNC	00004	00000918	12982	12978	
COFRTCNR	00004	00000904	12977	12975	
COFRTCNS	00004	00000926	12985	12988	
COFRTCNX	00004	00000912	12980	12986	
COFRTD	00002	00000938	13002	15965 16649	
COFRTRW	00002	0000094E	13010	13007	
COFRTRA	00002	00000978	13041	16024 16688 16991 17166 19373 20640 20974 24215	
COFRTRB	00004	00000992	13049	13046	
COFRTRD	00004	000009B2	13060	13057	
COFRTRDL	00004	000009A4	13056	13059	
COFRTRE	00004	00000A1A	13088	13055 13063 13065 13094 13096	
COFRTREX	00004	00000A16	13087	13073	
COFRTRL	00002	00000998	13051	13080	
COFRTRM	00006	00000A42	13101	13066	
COFRTRN	00002	00000A20	13091	13048	
COFRTRP	00004	0000098A	13047	13040	
COFRTRX	00004	00000A02	13081	13077	
COFS	00001	00000002	13963	13965 14014 15776 15900	
COFSEC	00002	00000115	13994	13995 14002 14003 14004 14067 14080 14103 14192 14194 14297	
COFSEL	00002	00000A48	13126	20277 20801	
COFSID	00004	000000F4	13991	13992	
COFSIDX	00024	000000F9	13992	13993	
COFT	00001	00000004	13964	13965 14011 15780 15903	
COFT0222	00002	00001264	13802	13336	
COFU	00001	000000FF	13973	18199 18700 19223 23759 24334	
COFU0222	00002	00000FF6	13581	13561 13566 13571 13576	
COFVQE	00002	00000A62	13158	18091 18106 18765 19463 24009 24066	
COFV0222	00002	0000104E	13605	13602	
COFW0222	00002	00001056	13608	13604	
COFX	00001	00000008	13966	13968 13973 14043 15763 15764 15766 15909	
COFX0222	00002	0000105C	13610	13607	
COF0192C	00006	00000478	12451	12458	
COF0192K	00004	0000045A	12438	12442	
COF0192L	00002	00000470	12448	12439	
COF0192N	00004	0000048C	12456	12469	
COF0192O	00004	000004AC	12465	12460	
COF0199C	00004	000005BC	12588	12573	

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
COF0199D	00002	00000580	12571	12540 12542 12545 12547 12553
COF0199E	00004	00000756	12714	12666 12679 12707
COF0199F	00004	0000073A	12702	12675
COF0199G	00004	0000053C	12554	12549 12551
COF0199H	00004	0000059C	12579	12585
COF0199K	00006	0000076A	12720	12717 12723
COF0199L	00004	000006C8	12673	12678
COF0199M	00006	0000078E	12732	12702
COF0199N	00006	00000788	12731	12538
COF0199O	00004	000005D8	12596	12600
COF0199P	00002	000005F0	12603	12580 12582 12597
COF0199Q	00002	0000077E	12725	12721
COF0199R	00006	00000682	12649	12612
COF0199S	00006	00000688	12650	12616
COF0199T	00002	000006E6	12691	12672
COF0199U	00002	0000067A	12644	12584 12586 12599 12601 12608 12614 12620 12623 12628 12634
COF0199V	00002	0000068E	12652	12589 12591
COF0199W	00006	00000668	12639	12643
COF0199X	00002	0000067E	12646	12633 12636
COF0199Y	00006	000006A0	12657	12660
COF0199Z	00002	000006B4	12663	12532 12654
COF0209A	00002	000007F6	12833	12827
COF0209D	00002	0000080A	12852	12868 12875
COF0209E	00002	00000848	12876	12857 12874
COF0209F	00004	0000084C	12878	12831
COF0219T	00006	00000A48	13127	13132
COF0222A	00006	00000BC6	13270	13265
COF0222B	00004	00000C1E	13293	13267 13269 13274 13276 13282 13285 13287
COF0222C	00004	00000C90	13322	13299 13319
COF0222D	00002	00000CB0	13334	13256 13258 13295 13303 13321 13325 13327
COF0222E	00012	00001320	13862	13501 13501 13502 13503 13504
COF0222F	00002	00001182	13716	13346
COF0222G	00002	00000D78	13399	13362 13372
COF0222H	00004	00000D60	13389	13392
COF0222I	00002	00001034	13599	13401
COF0222J	00002	00000DA2	13409	13406
COF0222K	00002	00000E6E	13471	13426 13456
COF0222L	00004	00000F0A	13520	13523
COF0222M	00002	00000F18	13524	13521
COF0222N	00002	000010A0	13637	13615
COF0222O	00001	0000130A	13850	13628
COF0222P	00022	000012F4	13843	13632
COF0222Q	00006	0000131A	13860	13634
COF0222R	00002	000011B6	13738	13718 13725
COF0222S	00004	00000C52	13306	13301
COF0222T	00002	000011EA	13758	13760 13788
COF0222U	00002	00001204	13767	13757
COF0222V	00002	00001248	13789	13772
COF0222W	00002	00000C7E	13317	13260 13305 13308
COF0222X	00002	000011DE	13753	13339 13341 13546 13593 13702 13704 13711 13746 13827 13836
COF0222Y	00006	0000125E	13797	13781
COF0222Z	00002	000011A6	13730	13348
COF02220	00004	00000C6A	13312	13314
COF02221	00006	0000102E	13594	13518
COF02224	00002	000011E4	13756	13766
COF02225	00004	00000BE6	13277	13272

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
COF02226	00006	00000C00	13283	13278 13280	
COF02227	00002	00000D42	13382	13376 13379	
COF02228	00002	000010FA	13665	13661	
COF02229	00002	00001138	13690	13664 13678	
COF0789T	00004	0000593A	20277	20261	
COF0860T	00004	00005F0A	20801	20792	
COF20222	00004	00000EB6	13494	13489	
COF30222	00004	00000ECA	13500	13484 13495	
COF40222	00006	00000EEE	13509	13506	
COF50222	00006	00000EF4	13514	13492 13498	
COJ	00002	00004F62	19300	15252	
COJBEGIN	00002	00004F80	19320	18797	
COJCANCL	00002	00005016	19367	19340	
COJCLASS	00002	00004FCA	19347	19333	
COJCNCL	00001	00000010	19627	19368 19545 19567	
COJDATE	00004	0000503C	19382	19337	
COJDATPK	00006	000050E4	19435	19400	
COJDATVL	00004	0000505A	19392	19397	
COJEXIT	00002	000052EE	19614	19605	
COJINVOA	00004	00004FC2	19343	19307 19309 19374 19376	
COJINVOO	00002	00004FC0	19341	19338 19352 19358 19386 19388 19394 19396 19431	
COJJOB	00002	00005158	19476	19453	
COJJOBS	00001	00000080	19624	19468 19487	
COJLOOP	00002	00004F8C	19327	19363 19369 19380 19428 19433	
COJLP	00004	000050EE	19439	19467	
COJMSGC	00002	000051AE	19500	19494 19497	
COJMVCLS	00006	00005010	19365	19361	
COJNOHLD	00002	000052AE	19589	19513	
COJNOJOB	00004	0000513E	19468	19458	
COJNOSTR	00002	000052BC	19596	19530	
COJNXJOB	00004	00005100	19448	19480 19482 19485	
COJOBOK	00002	00005174	19486	19464	
COJOPEND	00002	000050EA	19437	19328	
COJOWNER	00002	0000512A	19460	19479	
COJPSOMD	00001	00000040	19625	19564 19604	
COJQOP	00001	00000008	19628	19362 19538	
COJQUEUE	00002	00005248	19554	19548	
COJRES	00002	000052A2	19580	19571 19574 19592	
COJRET	00002	000052CA	19603	19469	
COJRMT	00002	0000501E	19370	19335	
COJRNCL	00002	00005286	19572	19568	
COJRTE	00001	00000020	19626	19379 19550 19573	
COJSVCLS	00008	0000017E	19629	19359 19360 19360 19360 19365 19541	
COJSVCRD	00004	000001DC	19630	19326 19426 19427 19432 19537	
COJTEST	00004	00004FB8	19339	19331	
COJTS	00002	00004F64	19302	19296 19299	
COJUPONE	00004	00005132	19465	19584 19585	
COJVALID	00006	0000500A	19364	19357	
COJYYDDD	00004	000050D2	19430	19402	
COJYYOK	00002	000050B8	19422	19413 19419	
COMAADD	00004	00000404	12371	12232 22761	
COMAADDL	00002	00000414	12375	12373 12380	
COMAADDQ	00004	00000428	12381	12378	
COMACE	00002	000001D0	12157	12054	
COMACEAL	00004	000003E8	12348	12345 12354	
COMACECN	00006	000002E4	12254	12170	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22													
COMJ	00001	00000004	15493	14984 14990 14996 15002 15008 15014 15026 15038 15044 15050 15142 15148 15172 15178 15184 15190 15196 15202 15244 15250 15256 15262 15268 15280 15292 15298 15304 15310 15322 15352 15376 15394 15400 15412 15418 15424 15430 15494 23602														
COMJDS	00001	00000007	15494	20820 22986														
COMJNAME	00008	0000017E	11630	12766 13248 17397 17655 17676 17684 17686 18646 18693 18731 18742 18853 18859 18865 18885 18886 19629 19691 23675 23727 23735 23742 23749 23776 23871 23886 24052 24244 24295 24330														
COMJQHDS	00002	0000008A	11614	15611 15622 17258 17269 17665 17673 18072 18080 18669 18680 18728 19045 19053 19446 19454 22071 22082 23705 23716 23977 23985 24316 24324 24371														
COMJRMT	00001	00000089	11613	12557 13012 14778 14781 19683														
COMJROUT	00002	00000088	11611	13004 13161 19681 19730 22564														
COMJSYS	00001	00000088	11612	12541 13069 14523														
COMLAREA	00004	0000008F	14973	14719 14766														
COMLBLNK	00004	00002204	14749	14752														
COMLC	00006	000021A2	14725	14722														
COMLCC	00004	0000219A	14722	14718														
COMLCCA	00002	000000AC	11620	14547 14748 14762 14765 14765														
COMLCCAL	00004	00002150	14703	14764														
COMLCCC	00002	00002198	14721	14733														
COMLCK	00002	000021CA	14734	14723 14728 14730														
COMLCKH	00004	000021F4	14745	14741														
COMLCLEQ	00003	00002454	14974	14736														
COMLCON	00002	000000BE	11923	14872 22336 22381 22390 22448														
COMLEVEL	00001	00000071	11580	14521														
COMFLG	00004	0000008E	14970	14720 14732 14742 14743 14762 14765 14858 14876														
COMFLGA	00001	00000004	14972	14720 14743 14876														
COMFLGCG	00001	00000002	14971	14732 14742 14858														
COMLHI	00004	0000008C	14968	14725 14726 14731 14738														
COMLINET	00002	00000078	11591	11995 12011 12036 12117 14526 14812 14817 14883 14888														
COMLLO	00004	0000008D	14969	14725														
COMLOOK	00004	0000225C	14782	14780														
COMLPTRN	00002	00002450	14967	14706 14759														
COMLRSET	00006	00002226	14759	14708 14712 14716 14737 14746														
COMLSA	00006	0000218E	14719	14710 14714														
COMLSARA	00004	00002200	14748	14744														
COMMAND	00200	000000B6	11627	11628 11629 11947 12022 12747 12767 12768 13247 13248 13248 13248 13252 13253 13259 13262 13263 13268 13270 13275 13281 13283 13288 13293 13320 13328 13755 13769 13779 13779 13782 13783 13783 13784 13786 13797 13805 13975 14528 14530 14815 14846 14886 14938 14940 14947 14965 15637 15642 15826 15857 16089 16132 16161 16231 16232 16232 16236 16237 16248 16249 16249 16253 16255 16256 16256 16259 16261 16262 16262 16264 16272 16338 16340 16342 16343 16343 16347 16349 16350 16350 16353 16354 16354 16369 16371 16372 16372 16375 16376 16376 16392 16393 16495 16716 16902 16913 16960 16961 16967 17117 17286 17287 17287 17290 17291 17291 17298 17300 17300 17311 17319 17389 17487 17488 17539 17540 17618 17627 17676 17677 17737 17877 17884 17893 18160 18356 18357 18357 18357 18441 18450 18456 18463 18464 18464 18464 18530 18722 18731 18732 18753 19066 19472 19488 19489 19489 19489 19489 19597 19692 19693 19852 19980 19980 19981 19982 19983 19988 20133 20139 20141 20684 20685 21301 21320 21321 21338 21341 21344 21351 21353 21356 21360 21367 21376 21381 21383 21389 21459 21593 21648 21739 21751 21762 21772 21805 21818 21819 21822 21830 21836 21848 21849 21854 21855 21860 22091 22108 22188 22193 22198 22389 22395 22398 22399 22421 22429 22456 22689 22690 22704 22728 22729 22754 22820 22938 22949 22956 23026 23046 23050 23262 23263 23263 23263 23264 23265 23304 23304 23304 23394 23402 23617 23622 23627 23630 23651 23731 23735 23736 23749 23750 23871 23872 23873 23881 24305 24361 24400 24413 24431														
COMMID	00002	000000B4	11626	11955 11978 11983 12002 12008 14423 14444 14527 18147 18358 18465 19490 23031														
COMMIDC	00002	00002457	14977	14527														
COMML	00001	00000073	11582	14519														
COMNFCB	00040	00005D3A	20615	20608 20616														
COMNGLEQ	00002	0000224A	14770	14701														

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22															
COMNLEQ	00002	0000222C	14760	14758																
COMNMUL	00002	000020BC	14610	14576																
COMNOACE	00002	0000013A	12055	12168	12190	12251	12264													
COMNULOP	00004	000001D8	11635	14543	14548	15573	15578	15592	15595	15597	15650	16945	16946	16947	16948	16954	16955	16956		
				17983	18005	18024	18030	18033	18059	18086	18093	18156	18178	18226	18228	18373	18621	18631		
				18634	18637	18644	19362	19368	19379	19468	19487	19538	19545	19550	19564	19567	19573	19604		
				20228	21294	21411	22516	22543	22545	22568	22583	22585	23030	23038	23417	23429	23431	23433		
				23917	23920	23923	23947	23949	23953	23955	23961	24017	24020	24025	24050	24072	24077	24079		
				24084	24086	24090	24113	24151	24158	24170	24182	24185	24226	24268	24286	24406	24418			
COMOCON	00002	000000BC	11921	22354																
COMOPRND	00200	000000B8	11629	14540	21168	22330	23585	23677	23680	23683	23685	23687	23914	23916	23919	23922				
COMOUT	00008	00000076	11586	11588	11594	11599	11603	14935	14935											
COMPNTER	00004	00000188	11634	14541	14542	14543	14693	15757	15758	15760	15889	15894	15917	15919	16651	16700	16702	16717		
				16938	16939	16940	16941	16942	16943	16944	17296	17297	18054	19236	19237	19238	19239	19240		
				19241	19242	19664	19698	23134	23614	23621	23625	23628								
COMR	00001	00000008	15490	14990	15002	15032	15142	15148	15154	15178	15190	15256	15274	15286	15298	15328	15334	15340		
				15352	15358	15364	15370	15376	15382	15388	15394	15400	15412	15418	15424	15430	15437	15443		
				15449	21492	21792	21978	22175	23600											
COMREGSV	00004	000001DC	11636	12889	12891	16569	16570	17128	17398	17959	18479	18489	18522	18543	19630	19980	19988	23657		
				24388	24389	24390	24391	24392	24867	25004										
COMRESP	00002	000000C0	11924	14874	22337															
COMRMT	00001	00000076	11600	14781	23640	23809														
COMRPT	00004	00002366	14880	14859	14863	14869	14877													
COMS	00001	00000001	15491	15032	15142	15148	15154	15274	15286	15328	15334	15340	15370	15382	15437	15443	15449	15494		
				20811	21492	21792	21978	22175	23602											
COMSETNL	00004	00002136	14689	14673																
COMSRL	00006	0000228E	14794	14800																
COMTABE	00004	000026CC	15459	14793																
COMTBLA	00004	0000245C	14983	15462																
COMTBLB	00004	0000248C	15019	15463																
COMTBLC	00004	00002494	15025	15464																
COMTBLD	00004	000024C4	15061	15465																
COMTBLE	00004	0000252C	15141	15466																
COMTBLF	00004	0000254C	15165	15467																
COMTBLH	00004	00002554	15171	15468																
COMTBLI	00004	00002584	15207	15469																
COMTBLL	00004	0000258C	15213	15470																
COMTBLN	00004	000025AC	15237	15471																
COMTBLO	00004	000025B4	15243	15472																
COMTBLP	00004	000025DC	15273	15473																
COMTBLR	00004	0000261C	15321	15474																
COMTBLS	00004	00002624	15327	15475																
COMTBLT	00004	00002644	15351	15476																
COMTBLU	00004	00002694	15411	15478																
COMTBLV	00004	000026B4	15436	15480																
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COMTEL	00001	00000008	15486	14792	15487	15488	15489													
COMTFL	00001	00000000	15488	14826	14861															
COMTMI	00004	0000241A	14960	14828																
COMTO	00002	00000074	11583	14522	21307	23641														
COMTOFF	00001	00000004	15487	14898																
COMTREDI	00004	00002314	14856	14839	14841	14843														
COMTVB	00001	00000006	15489	14794	14796	14798														
COMUCM	00001	00000076	11589	14747	14867	14875	14910	14915	14930	21306	22329	22394	22881	23621						
COMUCMA	00001	00000077	11590	11993	12113	14766	14810	14878	14881	14911	14930	14930	14931							

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CPQTABLE	00002	0000379A	17130	17053 18556	
CPS	00002	000043A0	18223	15306	
CPSENQ	00004	00006704	21540	21518	
CPSEXIT	00004	000001CC	12139	21589	
CPSL	00004	000066B4	21511	21517	
CPSNXT	00004	000066C4	21515	21512	
CPSNXTA	00004	000066EE	21527	21531	
CPSOK	00002	00006728	21556	21542	
CPSPCEE	00002	0000675C	21570	21560	
CPSPCEL	00004	00006730	21559	21562 21569	
CPSPOST	00004	000066D2	21520	21514 21532	
CPSRET	00002	0000678A	21592	21506 21509 21529 21555	
CPT	00002	000043A0	18224	15312	
CPXRMT	00002	00005746	20049	19735	
CP40	00004	0000662C	21456	15276	
CP7D	00002	000047C8	18594	15282	
CR	00002	00008168	23913	15324	
CRXACHJO	00004	000083A0	24128	24118 24122	
CRXACKJO	00004	00008366	24113	24136	
CRXACKQ	00006	00008378	24117	24114	
CRXAFSTJ	00004	000083A8	24132	24111	
CRXALL	00001	0000000C	24382	23917 24151 24170 24286	
CRXALLCL	00002	0000835A	24108	24028 24093	
CRXANAL	00002	0000842A	24214	23945 23951	
CRXANXTC	00006	00008386	24121	24126	
CRXANXTJ	00004	000083A4	24131	24116 24124	
CRXCCKPU	00004	000083E8	24164	24159	
CRXCHJOE	00002	000083B8	24147	24128	
CRXCHKJB	00002	0000825A	23999	23962	
CRXCHKJO	00002	0000826E	24008	23991	
CRXCJOB	00004	00008424	24185	24168	
CRXCJRER	00006	00008406	24175	24171	
CRXCBSY	00004	000083EE	24167	24152 24162	
CRXCPT	00001	00000001	24384	24077 24086 24090	
CRXCLSPT	00004	000001E0	24392	24015 24068 24117 24117 24120 24291	
CRXCVB	00002	000084A4	24258	24251 24254	
CRXFMANL	00004	000081E0	23949	23942	
CRXGO	00004	000081F8	23955	23933	
CRXJANL	00002	0000843A	24225	23938	
CRXJBCLQ	00002	000082B2	24026	24016	
CRXJJNOV	00002	00008484	24248	24229	
CRXJNFND	00002	000085AA	24397	24006	
CRXJNMVC	00006	00008500	24295	24245	
CRXJOB	00001	00000002	24383	23961 24050 24113 24268	
CRXJOBNO	00002	000001DC	24390	23990 24001 24054 24056 24269	
CRXJOEA	00001	00000020	24385	24185 24406	
CRXJPUN	00004	0000829C	24020	24018	
CRXJQE	00002	000082BC	24049	23984	
CRXJQEF	00002	000082E2	24059	24051	
CRXJXIT	00002	000084B6	24267	24247	
CRXMJCHK	00002	00008598	24368	24357	
CRXMJNXT	00004	00008520	24318	24331 24373	
CRXMJPRO	00002	00008546	24329	24323	
CRXMJX	00004	00008568	24352	24370	
CRXMODS	00001	00000010	24386	24025 24077 24084 24182 24418	
CRXMSG	00002	000085F2	24428	24419	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CRXMULTI	00002	00008506	24304	24055	
CRXNEWRT	00002	000001DE	24391	23946 23963 24019 24022 24076 24083 24148 24175	
CRXNOFND	00002	00008586	24360	24372	
CRXNXJQE	00004	00008228	23979	24053 24058 24061 24063 24067 24095	
CRXNXTOP	00004	000081A0	23933	23948 23954 24270 24292	
CRXOLDRT	00002	000001DC	24389	23952 23963 24074 24081 24115	
CRXOP2	00001	00000080	24378	23949 23953 23955 24226 24268	
CRXOP3	00001	00000040	24379	23947 23955	
CRXPRINT	00001	00000008	24380	23920 24017 24072 24158 24382	
CRXPUNCH	00001	00000004	24381	23923 24020 24079 24382	
CRXQANL	00002	000084C2	24277	23940	
CRXRET	00002	000085BC	24405	23964 23992 24010 24012 24014 24029 24327 24366	
CRXRETA	00002	000085DA	24417	24407	
CRXRPUN	00002	0000831E	24078	24073 24075	
CRXSCAN	00002	0000821C	23975	24002	
CRXTSJOE	00002	0000834E	24091	24069 24087	
CRXTSTCK	00004	0000833E	24086	24080 24082	
CRXTYPE	00002	0000819A	23931	23918 23921	
CRXVALID	00006	000084FA	24294	24284	
CRXWORKA	00008	000001DC	24388	23932 23932	
CS	00002	0000575E	20068	15348	
CSA	00004	0000730E	22633	15336	
CSADESC	00002	00000088	11081	11089	
CSADSECT	00001	00000000	11067	11113 22291	
CSALEVEL	00002	000000C2	11103	22291	
CSAWTOL	00004	00000000	11071	11077	
CSCDSECT	00001	00000000	07379	24599 24735	
CSI	00004	00006350	21212	15342	
CSIRET	00004	00006426	21298	21281 21484	
CSIRETA	00004	0000644C	21308	21327	
CSIRETI	00004	00006438	21304	11957 11964	
CSIRETN	00004	00006490	21326	21309 21311	
CSSPOST	00004	0000664A	21472	21480	
CSXDEVNM	00006	00005842	20141	20135	
CSXINUSE	00002	00005832	20136	20087	
CSXINVU	00002	00005824	20132	20081	
CSXNLNE	00004	000057F0	20116	20102	
CSXPOST	00004	0000581C	20130	20114 20117 20119	
CSXRMT	00002	000057B8	20094	20075 20077	
CSXRTER	00002	00005854	20147	19733	
CS40	00004	00006642	21469	15330	
CT	00002	00005890	20227	15408	
CTA	00002	00007330	22654	15360	
CTAA	00004	00007352	22665	22943 22947	
CTAABORT	00006	0000740A	22728	22744 22746 22748 22766 22771 22774 22779 22786 22791 22793 22796 22802 22807 22813	
CTAAECK	00004	000076C2	22931	22686 22828 22834	
CTAAHH	00002	000000C0	22958	22910 22911 22959	
CTAAID	00004	000000B9	22957	22904 22958	
CTAAMM	00002	000000C3	22959	22916 22917 22960	
CTAANF	00006	00007702	22949	22876	
CTAAOK	00004	000073BC	22697	22687	
CTAASS	00004	000000C8	22960	22922	
CTAATEXT	00080	000000CD	22961	22923 22924 22924	
CTAAUTH	00004	00007716	22954	22934	
CTABASIC	00023	000000B6	22956	22903 22924 22957 22961	
CTACAN	00006	00007422	22735	22727	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CTACENEW	00004	0000760E	22876	22683	
CTADAL	00004	0000757A	22826	22824 22830	
CTADALL	00004	0000758E	22831	22829 22841	
CTADALLA	00004	00007592	22832	22836	
CTADIS	00006	0000765E	22903	22698 22831	
CTADNT	00004	0000769C	22918	22906	
CTAFREE	00002	0000741A	22732	22757	
CTAGETID	00004	000075B2	22848	22819 22870	
CTAID	00004	000075E8	22862	22859	
CTAIDS	00004	000075F8	22866	22864 22869	
CTAIL	00004	000074B4	22775	22782	
CTAILA	00004	000074B8	22776	22811	
CTAINVO	00006	000073A4	22689	22672	
CTALAFLP	00004	00006D06	22142	22147	
CTALAFOF	00004	00006D3A	22160	22137	
CTALCHG	00002	00006BD8	22025	22019 22022	
CTALCHG1	00002	00006C02	22039	22036	
CTALCKPT	00002	00006D28	22152	22131 22144	
CTALDIS	00004	000073C0	22698	22737 22763	
CTALDISR	00004	000073C4	22699	22692 22827 22833 22940 22951	
CTALDISX	00002	000073DA	22707	22700	
CTALHR	00004	0000751A	22801	22794	
CTALL	00002	00006B52	21977	22987	
CTALLAFF	00001	0000008C	22164	22016 22032 22037 22044 22047 22049 22130 22135 22148	
CTALLAOK	00002	00006B5E	21982	21979	
CTALLEND	00002	00006C38	22062	22048 22050 22052	
CTALLESS	00002	00006CF2	22132	22126	
CTALLFDA	00002	00006BB4	22013	21993	
CTALLFD1	00002	00006BB0	22011	21999	
CTALLFD2	00002	00006C0A	22043	22040	
CTALLFD3	00002	00006C10	22045	22033 22038	
CTALLMOR	00002	00006C30	22056	22046	
CTALLNIN	00002	00006B84	21994	21991	
CTALLOOP	00006	00006BDC	22029	22058	
CTALLP1	00006	00006B98	22005	22009	
CTALLTST	00002	00006CD2	22122	22117	
CTALMORE	00002	00006CE8	22129	22127	
CTALNANY	00002	00006BF0	22034	22030	
CTALNONE	00002	00006CA6	22105	22086	
CTALNXT	00004	00006C4E	22074	22119 22121 22124 22149 22156	
CTALPRO	00002	00006CB8	22115	22081	
CTALRET	00002	00006C96	22096	22088	
CTALSCAN	00002	00006B94	22000	22041	
CTALTEST	00004	00006D32	22158	22123 22143	
CTAMID	00006	00007710	22953	22675	
CTAMOD	00004	000073E8	22717	22753 22896	
CTAMODN	00004	00007468	22753	22789 22817	
CTAMODS	00006	000073E2	22711	22697	
CTAMTIME	00004	00007490	22764	22724	
CTAMTXT	00006	0000771A	22955	22751	
CTANEW	00004	00007612	22877	22867	
CTANEWA	00006	0000763E	22891	22884	
CTANOID	00004	0000755C	22819	22670	
CTANOTAL	00002	00007346	22661	22656	
CTAOUT	00006	000076D6	22938	22878	
CTASACE	00002	00007388	22681	22679 22685	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CTASLIDE	00004	000075D6	22858	22861	
CTATERR	00006	000076E4	22942	22664	
CTATEXT	00002	00007430	22738	22721	
CTATIME	00004	000074EE	22790	22769	
CTATIMEC	00004	00007544	22812	22784	
CTC	00002	00006F0E	22267	15366	
CTDEVCHK	00002	0000566E	19977	19762	19870 19891 19954 19967 21098
CTI	00004	0000633A	21206	15372	
CTIBLANK	00006	00006620	21445	21439	
CTIMOVE	00006	00006626	21446	21441	
CTIRET	00004	00006406	21285	21282	21296
CTIVALID	00006	0000661A	21444	21433	
CTJ	00002	00004AD2	18862	15378	
CTJ\$QMOD	00002	00004EEE	19216	19211	
CTJA	00002	00004ADE	18867	18854	18860
CTJAFF	00001	00000008	19248	18973	19012 19155 19164 19197 19202
CTJAFFCK	00004	00004E8A	19185	19190	
CTJAFFLP	00002	00004C60	19000	19006	
CTJAFFND	00002	00004C7A	19008	19003	
CTJAFFON	00004	00004EAA	19193	19186	
CTJALTER	00002	00004B4A	18906	18794	18876
CTJBDAFF	00002	00004E4A	19163	19160	
CTJBDCLS	00002	00004E24	19151	19125	19127 19129 19141 19143 19145 19147
CTJBM	00014	00004B3C	18899	18892	
CTJCAFF	00002	00004E28	19154	19123	19150
CTJCCLAS	00002	00004DB6	19121	19097	19101 19118
CTJCHNG	00002	00004D62	19094	19060	19086
CTJCKPT	00002	00004F06	19229	19213	
CTJCLAS	00002	00004B86	18931	18920	
CTJCLS	00001	00000080	19244	18932	18947 19122 19152 19197 19210
CTJCNVT	00002	00004BE4	18960	18954	18957
CTJDAFF	00001	00000002	19250	18973	18978 18981 18989 19018 19164 19170
CTJDISP	00002	00004EF4	19222	19198	19232
CTJDPRI	00001	00000010	19247	18951	18955 18958 19100 19109
CTJDWAF	00002	00004E76	19175	19171	
CTJEND	00002	00004CB6	19030	18912	19015 19017 19019
CTJFLAG	00001	0000018C	19240	18910	18932 18947 18951 18952 18955 18958 18969 18973 18975 18978 18981 18989 19012 19018 19031 19062 19077 19096 19100 19107 19109 19122 19152 19155 19164 19168 19170 19197 19199 19202 19210 19212
CTJFLAG1	00001	0000018D	19241	19031	19077 19095
CTJINVO	00002	00004B7E	18926	18870	18872 18915 18935 18943 18963 19007 19021
CTJJOB	00001	00000001	19251	19062	19095
CTJLOOP	00002	00004B56	18911	18948	18970
CTJLPSID	00002	00004C80	19011	18990	18995
CTJNEXT	00004	00004CE0	19047	19087	19089 19092
CTJNOJOB	00002	00004D0E	19061	19058	19081
CTJNPOST	00002	00004ED8	19209	19203	
CTJNTAFF	00002	00004E52	19166	19158	19162
CTJNTPRI	00002	00004D7E	19102	19099	
CTJOFFAF	00004	00004EA6	19192	19180	
CTJOLDAF	00001	00000188	19236	19167	19172 19173 19192 19193 19204
CTJPRI	00001	00000040	19245	18951	18969 19096 19100 19197 19199 19212
CTJPRID	00002	00004DA0	19113	19110	
CTJPRI0	00002	00004BC4	18950	18922	
CTJPRIU	00002	00004DA2	19114	19108	19112
CTJPRO	00002	00004D46	19083	19052	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CTJQMOD	00002	00004EAE	19196	19156 19165 19174 19187	
CTJRANGE	00004	00000190	19242	19032 19033 19034 19079	
CTJRET	00002	00004D28	19070	19063	
CTJSCAN	00004	00004CC4	19034	19080	
CTJSELCT	00002	00004B66	18916	19026	
CTJSID	00002	00004C0A	18972	18924	
CTJSIDM	00002	00004C5C	18996	18993	
CTJSIDNX	00002	00004CA6	19023	19013	
CTJSID1	00002	00004C30	18983	18977 18980	
CTJSID2	00002	00004C34	18985	19027	
CTJSIIND	00002	00004C4A	18991	18987	
CTJSVCLS	00001	0000018B	19239	18945 18946 19131 19149	
CTJSVPRI	00001	0000018A	19238	18968 19106	
CTJSVSID	00001	00000189	19237	18974 18988 18994 19009 19014 19016 19173 19178	
CTJUAFF	00001	00000004	19249	18973 18975 18978 18989 19018 19164 19168	
CTJUPAF	00006	00004E6C	19173	19169 19191	
CTJUPONE	00002	00004D30	19076	19228	
CTJUPRI	00001	00000020	19246	18951 18952 18955 19100 19107	
CTM	00002	00006FA0	22326	15384	
CTMALL	00004	00007076	22384	22386	
CTMCKC	00002	00007000	22352	22347	
CTMCOMB	00004	00007050	22373	22364 22368	
CTMCOMBA	00004	00007058	22375	22353 22358 22360	
CTMDISP	00004	00007082	22388	22340 22439	
CTMDL	00004	000070E0	22413	22417	
CTMDNLN	00004	000070AA	22399	22435	
CTMDNXXE	00004	000070B0	22401	22420	
CTMELN	00004	00007112	22429	22401	
CTMERROR	00002	00007164	22455	22355 22415 22449	
CTMGETA	00004	00007010	22357	22342	
CTMINVO	00002	00007176	22461	22332 22362 22366 22370 22372 22379 22443	
CTMLIST	00004	00007122	22437	22377	
CTMLNXT	00004	00007132	22441	22445	
CTMTAB	00002	0000717A	22463	22412 22440	
CTMTBNK	00004	00007126	22438	22453	
CTO	00002	00007192	22489	15390	
CTOCON	00002	000071C2	22506	22503	
CTOCONL	00004	000071B2	22502	22504	
CTOINVO	00004	00007218	22540	22268 22270 22275 22278 22494 22497 22505 22530 22561 22565 22572 22582	
CTOJ	00004	00007220	22543	22537	
CTOR	00002	00007230	22557	21105	
CTORCOK	00004	0000724A	22566	22563	
CTORJ	00004	0000728A	22583	22579	
CTORSEL	00004	0000725C	22570	22566	
CTORSET	00004	0000724E	22567	22577 22584 22586	
CTORT	00004	00007292	22585	22581	
CTOSEL	00004	000071EE	22528	22507	
CTOSET	00004	000071C8	22509	22535 22544 22546	
CTOT	00004	00007228	22545	22539	
CTOXIT	00002	000071E6	22525	22569	
CTS	00002	00004A98	18843	15396	
CTSNOTSY	00002	00004AAE	18850	18845	
CTSYEXIT	00002	00006D84	22195	22190	
CTSYINDY	00002	00006D76	22191	22186	
CTSYMSG1	00033	00006D96	22204	22188 22205	
CTSYMSG2	00027	00006DB7	22206	22193 22207	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CTSYS	00002	00006D3E	22174	19261	
CTSYSAOK	00002	00006D4A	22180	22176	
CTSYSLN1	00001	00000021	22205	22188	22189
CTSYSLN2	00001	0000001B	22207	22193	22194
CTT	00002	00004AC0	18856	15402	
CTXAPPL	00004	000060FE	21001	20992	
CTXB	00004	00005940	20283	20262	
CTXBN	00004	00005956	20289	20286	
CTXC	00004	00005AC4	20423	20263	
CTXCCT	00002	00005AF6	20435	20652	
CTXCCTST	00004	00005AF0	20433	20419	20426
CTXCFND	00004	00006F50	22288	22284	
CTXCHUCB	00004	00005C0C	20524	20521	
CTXCLOOP	00006	00006F3C	22283	22286	
CTXCLOP	00004	00006F30	22280	22289	
CTXDEV	00004	00005DEE	20682	20438	
CTXDISP	00002	00005DDC	20669	20663	
CTXF	00004	00005DAC	20649	20264	
CTXFCBEX	00002	00005CAE	20574	20570	20606
CTXFCBLD	00004	00005BEC	20516	20451	20455 20457
CTXFCBMS	00002	00005CF8	20594	20568	
CTXFCB01	00002	00005C5A	20544	20553	
CTXFCB02	00002	00005C7A	20554	20547	
CTXFCB03	00002	00005C86	20560	20567	
CTXIDVAL	00002	00005B02	20439	20317	20329 20342 20345 20348 20351
CTXINRLP	00004	0000608E	20956	20964	
CTXINVO	00004	000053BE	20166	20229	20230 21093 21095 21097
CTXK	00002	00005A7E	20397	20265	
CTXKRSET	00004	00005AAC	20411	20401	
CTXKSET	00004	00005AB4	20413	20409	
CTXLAPAS	00004	00006130	21026	21002	
CTXLDIS	00004	00006180	21057	21015	
CTXLDISQ	00004	0000619A	21064	21060	
CTXLIM	00004	00005A56	20381	20247	
CTXLIMOK	00004	00005A72	20389	20386	
CTXLINE	00002	00006106	21007	20234	
CTXLLOG	00002	00006162	21044	20996	21017
CTXLMOV	00006	0000615C	21038	21035	
CTXLOG	00002	000060D8	20984	20236	
CTXLOGY	00004	00006178	21051	21046	
CTXLOOP	00002	0000589E	20231	20658	
CTXLOOPA	00004	00005DC2	20657	20288	20292 20315 20359 20363 20391 20432 20518 20523 20528 20530 20578 20612 20633 20645
CTXLOOPC	00004	00005DC6	20658	20301	20305 20327 20375 20377 20410 20412 20704 20824 20846 20862 20944 20979 21031 21036
				21050	21052 21058 21066 21078
CTXLOOPR	00002	00006086	20952	20823	20845 20861 20943
CTXLOOPX	00002	00005ED4	20771	20760	
CTXLOOP0	00004	000058CC	20244	20240	
CTXLOOP1	00004	000058EE	20254	20243	
CTXLPAS	00004	0000612C	21021	20994	21019
CTXM	00004	00005964	20296	20266	
CTXMN	00004	0000597A	20302	20299	
CTXMVC	00006	00005CC4	20580	20446	
CTXO	00004	00005988	20309	20267	
CTXOI	00004	00005CCA	20581	20448	
CTXP	00002	00005A32	20367	20268	
CTXPAUSE	00004	00005A4E	20376	20371	

SYMBOL	LEN	VALUE	DEFN	REFERENCES
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CTXPOSTX	00004	00005EB4	20762	20736 20741
CTXQ	00002	00005D62	20621	20269
CTXQVAL	00006	00005CBE	20579	20443
CTXQVALD	00006	00005D8C	20634	20626
CTXR	00004	00005D92	20638	20270
CTXRAFLP	00004	00006056	20934	20939
CTXRAFOF	00004	0000607E	20945	20930
CTXRAFON	00004	00006082	20946	20935
CTXRDND	00002	00005F8E	20860	20857
CTXRDR	00002	00005EE6	20787	20242
CTXRDRA	00002	00005F10	20806	20793
CTXRDRC	00002	00005F48	20830	20794
CTXRDRCQ	00002	00005F5A	20840	20832
CTXRDRH	00002	00005F74	20851	20795
CTXRDRP	00004	000060B2	20969	20796
CTXRDRQ	00002	00005F50	20836	20797
CTXRDRR	00002	00005F8A	20858	20853
CTXRDRS	00002	00005F96	20866	20798
CTXRDRU	00004	000060BA	20971	20799
CTXRLOOP	00002	00005E32	20714	20772
CTXRMT	00002	00005E2A	20709	19739
CTXRMTA	00002	00005E54	20728	20723
CTXRMTA1	00002	00005E74	20737	20732
CTXRMTD	00002	00005E82	20743	20725
CTXRMTD1	00004	00005EAC	20759	20754
CTXRSCHG	00002	00005FAE	20875	20869 20872
CTXRSEND	00002	00006076	20942	20924 20936
CTXRSFIN	00002	00006028	20917	20906 20908 20910
CTXRSFND	00002	00005FF8	20901	20895
CTXRSIAF	00001	00000098	20948	20876 20881 20887 20902 20905 20907 20923 20928 20940
CTXRSIND	00002	00005FCA	20884	20880
CTXRSLP1	00002	00005FB6	20878	20916
CTXRSLP2	00002	00005FDC	20889	20886
CTXRSLP3	00006	00005FE0	20894	20898
CTXRSLP4	00004	00005FFE	20904	20883 20888
CTXRSLP5	00002	0000601C	20913	20904
CTXRSMIN	00002	00006042	20925	20920
CTXRSPLS	00006	00006038	20923	20921
CTXS	00004	00005A14	20356	20271
CTXSETA	00004	00005F44	20825	20822
CTXSLOP	00004	00006F64	22293	22301
CTXSN	00004	00005A24	20360	20357
CTXSON	00004	00006F72	22298	22296
CTXT	00004	00005AB8	20417	20272
CTXTAB	00004	00006F88	22306	22281 22308 22314
CTXTABCT	00001	00000006	22314	22282
CTXTESIZ	00001	00000004	22308	22285 22314
CTXTTE	00004	00005C2A	20532	20526
CTXUCSEX	00002	00005BE0	20508	20504 20593
CTXUCSMS	00002	00005CCE	20582	20502
CTXUCS01	00002	00005B8C	20478	20472 20475 20487
CTXUCS02	00002	00005BAC	20488	20481
CTXUCS03	00002	00005BB8	20494	20501
CTXX	00004	000059D0	20334	20273
CTXY	00004	000059AC	20321	20274
CTXZ	00004	00005E0C	20694	20275

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
CT7D	00002	000047C8	18595	15354	
CT7DFND	00004	00004A1A	18792	18771	
CUJ	00002	00003E6E	17702	15420	
CUJA	00002	00003E70	17706	17696	17700
CUJCLAS	00004	00003F20	17766	17727	
CUJECLAS	00001	00000080	17900	17766	17780
CUJEDONE	00001	00000020	17902	17827	17860
CUJEND	00002	00003F4A	17779	17720	
CUJENDCL	00004	0000401A	17854	17800	17808
CUJEOUT	00001	00000040	17901	17743	17780
CUJFCLSN	00004	00003F28	17768	17771	
CUJFCLSO	00004	00003F00	17756	17759	
CUJHAVJ	00004	00003E8C	17716	17691	
CUJHCLSN	00004	00003F3C	17774	17770	
CUJHCLSO	00004	00003F14	17762	17758	
CUJINVO	00004	00003EB6	17731	17649	17709 17711 17723 17760 17772
CUJLOOP	00004	00003E96	17720	17751	17754 17777
CUJMISS	00002	00003EBE	17736	17719	17781
CUJNOCH	00002	00004060	17883	17861	
CUJNXTJO	00002	00003F84	17805	17813	17822 17824
CUJNXTJX	00002	00003F86	17806	17852	
CUJOUT	00004	00003ED0	17743	17729	
CUJSCLS	00002	00003EF6	17753	17749	17764
CUJSCNJ	00002	00003F68	17797	17857	
CUJWCURC	00001	0000010C	17896	17801	17897 17897
CUJWFLG	00001	00000132	17899	17716	17743 17766 17780 17827 17860
CUJWJHI	00002	0000010A	17895	17690	17713 17823 17896 17896
CUJWJLO	00002	00000108	17894	17689	17715 17821 17895 17895
CUJWNCLN	00002	00000106	17893	17776	17782 17832 17863 17894 17894
CUJWNCLS	00001	0000010D	17897	17774	17836 17898 17898
CUJWOCLS	00036	0000010E	17898	17744	17744 17750 17762 17784 17798 17855 17899 17899
CUMVC	00006	00003E3E	17684	17656	
CUNEXTJ	00004	00003E04	17667	17687	
CUNOSUB	00002	00003DDA	17648	17646	
CUOKL	00006	00003DEE	17655	17653	
CUPROC	00006	00003E44	17686	17672	
CUS	00002	00003E5E	17694	15426	
CUT	00002	00003E66	17698	15432	
CU7D	00002	00003DC4	17640	15414	
CVALIDTB	00001	00001A48	24472	13187	16608 17413 18552 18809 19256 19634 21114 22217 24447
CVALTABL	00001	00001B48	24483	21111	
CVS	00002	000067AA	21608	15439	
CVSBLKCK	00004	000067E4	21632	21635	
CVSCMND	00006	0000680C	21648	21624	
CVSINVO	00004	00006804	21645	21617	21620 21623 21636
CVSLOOP	00004	000067B4	21614	21642	
CVSSVC34	00002	000067F8	21638	21633	
CVT	00001	00000000	02781	03727	12218 22500
CVTBRET	00002	00000052	02839	03406	
CVTCUCB	00004	00000064	02847	12218	22500
CVTPTR	00001	00000010	02777	12217	22499
CVTXTNT1	00001	00000000	03589	03016	
CVTXTNT2	00001	00000000	03598	03087	
CVT4MS1	00001	00000010	02858	02865	
CVT6DAT	00001	00000002	02861	02865	
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22															
DCTPRT	00001	00000020	10728	10729 10732 23472																
DCTPSNA	00001	00000080	10764	10768 13318 19838 19894 20030 20076 20149 21065 23257																
DCTPSUSP	00001	00000001	10714	23270																
DCTPUN	00001	00000030	10730	10731 13425 20398 20433 23477																
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DCTRAUTH	00001	0000003D	10629	13621 20820 20825 20962																
DCTRCON	00001	00000042	10734	13338																
DCTRDR	00001	00000010	10725	10726 10727 10733 23467																
DCTREJDV	00001	00000002	10825	13622 15492																
DCTREJJB	00001	00000004	10824	13622 15493																
DCTREJSY	00001	00000001	10826	13622 15491																
DCTRJE	00001	00000002	10721	10723 10724 10726 10729 10731 13298 13614 19677 20072 20116 20368 21096 23255																
DCTRJR	00001	00000012	10726	20807																
DCTRMTID	00001	00000080	10819	14137 14180																
DCTRPP	00001	00000030	10733	19866 20237 21094																
DCTRPT	00001	00000010	10742	19968																
DCTRSTRT	00001	00000020	10741	13720 19931 21063																
DCTSIAFF	00001	0000003C	10628	13656 13660 13685 20922 20923 20940 20945 20946 20962 20962 20962																
DCTSINON	00001	00000008	10710	13302																
DCTSOFF	00001	00000010	10708	13717 20055 21064																
DCTSPACE	00001	00000003	10745	13455 20408 20411																
DCTSTAT	00001	00000000	10436	13257 13264 13266 13271 13279 13361 19702 19704 19708 19829 19978 20019 20020 20071 20083 20089 20090 20093 20118 20138 20142 20479 20545 20662 20664 20682 21057 23226 23228																
DCTSTOP	00001	00000080	10739	13273 19873 19932 20098 21099																
DCTUCS	00004	00000040	10664	13445 13445 13448 13450 20417 20468 20587																
DEBACSMO	00001	00000000	06000	06038 06055 06068 06092 06111 06125 06135 06175																
DEBBASIC	00001	00000024	05735	06261																
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DEBDEVED	00004	00000048	05863	05894																
DEBDSECT	00001	00000024	06261	13324 13324 13326 20080																
DEBEOEA	00004	00000000	05657	05660																
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DEBTCBAD	00004	00000024	05736	13324 13324																
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HASPCJB1	00002	0000276C	15554	14991 14992 15003 15004 15069 15070 15099 15100 15119 15120 15179 15180 15191 15192 16601																
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HASPCJB3	00002	000047C6	18584	14985 14986 15027 15028 15063 15064 15143 15144 15173 15174 15215 15216 15245 15246 15281 15282 15353 15354																
HASPCJB4	00002	00004F50	19272	15251 15252 15263 15264 15269 15270 18797 18815																
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HASPCMS1	00002	000077FA	23005	15105 15106 15137 15138 23245 23355																
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22														
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JCTTSCAN	00001	00000004	10097	10310															
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JOECHAR	00002	00000008	09709	16826															
JOECKPT	00002	00000006	09708	17581															
JOECURCL	00001	00000012	09715	17836	24121	24155													
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JOEDEVID	00002	00000020	09722	12871	12871	12872	12890	12893											
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JOEFORM	00004	00000004	09732	09738	09738														
JOEIOTTR	00004	00000018	09718	24882	24893														
JOEJOE	00002	00000022	09723	12855	13203	24131	24886	25008											
JOEJQE	00002	00000010	09714	16788	17078	17510	17816	18270	18399	24878									
JOEJRCB	00002	00000004	09752	09764	09764														
JOENEXT	00002	00000000	09703	16729	16730	16778	16781	16874	16875	17059	17062	17500	17504	17529	17802	17804	17811	17831	
				17835	18262	18263	18393	18394											
JOERECCT	00004	00000014	09717	17573															
JOEROUT	00002	0000000C	09712	16803	17071	17074	24115	24148	24175										
JOESETUP	00025	00000004	09738	16736	16830	16880	16938												
JOESIZE	00001	00000024	09797	09807	09807	09807	11386	11387											
JOETLNC	00004	0000000C	09755	17586															
JOTCHRQ	00002	00000004	09803	16729	16874														
JOTCLSQ	00002	00000008	09806	16778	17059	17500	17802	17833	17864	18262	18393								
JOTDSECT	00001	00000000	09800	09807	09807	11386	16710	17058	17500	17802	17833	17864	18259	18383	24105				
JOTJOES	00001	0000006C	09808	11386															
JOTRDYWQ	00074	00000006	09804	18571															
JQBCCWE	00001	00000000	09890	09900	09911	09921	09944	09944											
JQBCCW1	00008	00000000	09891	09942															
JQBCCW2	00008	00000008	09892	09943															
JQBDSECT	00001	00000000	09811	09859	09859														
JQBSTD	00001	00000100	09870	09879															
JQBTRK1	00001	000000C0	09866	09880															
JQE	00001	00000000	09631	17550	17551														
JQECHAIN	00002	00000006	09637	09658	15616	15809	15848	16121	16488	17263	17667	18074	18674	18711	19047	19448	22076	23710	
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				09666	11940	12101	12398	12888	14979	16957	17082	17659	17820	21491	22064	23580	24552	24865	
JQEFLAGS	00001	00000004	09635	09656	12828	12828	12830	12878	12882	12884	14041	14045	14054	14214	14307	14312	14316	14320	
				15655	15658	15660	15662	16212	16282	16299	16360	16362	16522	16524	18121	18123	18212	18316	
				19098	19126	24011	24062	24575	24609	24610	24613	24695	24709	24770	24787	24788	24790	24794	
				24795															
JQEFLAG2	00001	00000005	09636	09657	14361	14384	14395	15667	16414	16503	19167	19204	22128	22130	22148	22158	22159	22160	
JQEHLDCT	00002	00000012	09643	09664	17325	18476	19511	24620											
JQEHQLOK	00001	00000013	09644	09665															
JQEJNAME	00008	00000014	09646	09666	13387	13388	14298	17361	17550	17686	18132	18372	18693	19504	19543	23742	24052	24330	
				24655															
JQEJOBNO	00002	00000002	09634	09655	14010	14067	14080	14103	14192	14194	14275	17362	17551	17688	17820	18098	18108	18318	
				18326	18767	19084	19157	19477	19544	22116	24557	24656							
JQEJOE	00002	00000010	09642	09663	12841	14078	24110	24682	24883										
JQELNGTH	00001	0000001C	09648	11385															
JQEPRIO	00001	00000000	09632	09653	14301	19104	19201												

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
PCEEJRCB	00002	000000B0	11471	11483 11483	
PCEEWF	00002	00000050	09289	12062 17280 19608 19845 19924 20035 20108 20122 20157 20483 20496 20549 20562 20765 21072 21472 21513 21520 21568 21724 24667	
PCEID	00002	00000052	09290	21511 21530 21561	
PCEJQE	00004	0000006C	09301	13365	
PCELINK	00004	0000000C	09271	12288 12295 12302 12331 20484 20497 20550 20563	
PCENEXT	00004	00000008	09270	21478 21515 21527 21558 21559	
PCEPCEA	00004	00000048	09287	20485 20498 20551 20564 21563 21564 21566	
PCEPCEB	00004	0000004C	09288	21565 21567	
PCERDRID	00001	00000001	09321	21511 21530 21561	
PCERO	00004	00000014	09273	23803 23804	
PCER1	00004	00000018	09274	17222 17224 17237 17238 17244 17247 19410 19412 19425 19426 19432 19435 19898 19914 23810 23812	
PCESEEK	00004	0000005C	09295	24919	
PCEWORK	00008	00000070	09302	11290 11329 11358 11390 11395 11432 11435 11439 11575 11640	
PDBDSECT	00001	00000000	10134	10174 24864	
PDBFLAG1	00001	00000000	10136	24976	
PDBLENG	00001	00000068	10174	10246 10247 10248 10249 10250 10251 10252 10975	
PDB1PSO	00001	00000001	10189	24976	
PDEVBYT3	00001	000000D3	11489	20471 20474	
PDEVTYPE	00004	000000D0	11488	11489 11490 20454 20525	
PFSBSCT	00004	00000194	11543	19825	
PITBUSY	00001	00000020	10941	18324 21342 21349 21354 21368 21379 21409 24583	
PITCLASS	00001	0000000B	10926	21389 21445 21446	
PITDSECT	00001	00000000	10920	18323 21205 24571	
PITFLAGS	00001	00000004	10922	21248 21250 21312 21358 21370 21374	
PITHALTA	00001	00000010	10942	21261 21263 21271 21346 21377	
PITHALT1	00001	00000008	10943	21271 21273 21346 21377	
PITHOLDA	00001	00000080	10939	21261 21271 21310 21339 21377 21404	
PITHOLD1	00001	00000040	10940	21252 21271 21310 21339 21377 21406	
PITINIT	00001	00000004	10944	21251 21308 21313	
PITNEXT	00004	00000000	10921	18331 21231 21241 21326 24586	
PITPATID	00002	00000009	10925	21182 21189 21189 21195 21199 21199 21201 21201 21225 21225 21227 21227 21227 21367 21392 22232 22233	
PITSIERR	00001	00000008	10935	21248 21250	
PITSIVER	00001	00000010	10934	21248 21250 21312	
PITSJB	00004	00000004	10923	18328 21372 24592	
PITSMVER	00001	00000020	10933	21358	
PITSTAT	00001	00000008	10924	18324 21251 21252 21261 21263 21271 21273 21308 21310 21313 21339 21342 21346 21349 21354 21368 21377 21379 21404 21406 21409 24583	
PITXBM	00001	00000040	10932	21370 21374	
PJ2	00004	00006686	21497	21499	
PMESSAGE	00039	00000118	11515	11538	
POST1208	00004	00001E2C	24760	24758	
PQEDSECT	00001	00000000	11205	11278	
PQEEND	00004	00000030	11276	11277 11278	
PQESPEC	00001	0000000D	11214	11236 11245 11255	
PQETYPE	00001	0000000C	11209	11277 11277	
PQHADR	00004	000001C8	11557	13357	
PQHDSECT	00001	00000000	11153	11202 13358	
PQHEND	00008	00000050	11201	11202	
PQHJQE	00004	00000020	11165	13358	
PRDFCB	00004	000001C4	11556	20431 20522	
PSOCLAS	00008	000000D4	10998	17359 19541	
PSOCDT	00004	00000004	10974	17355 19537 24650	
PSODSECT	00001	00000000	10970	11029 17349 17374 19531 19556 24639 24658	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
PSODSN	00044	000000A4	10990	10991	
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PSOF\$O	00001	00000001	11065	17360 19542 24653	
PSOFCLAS	00001	00000040	11053	17358 19540	
PSOFDELC	00001	00000040	11045	17365 19547 24654	
PSOFDONE	00001	00000080	11062	17360 19542 24653	
PSOFHLD	00001	00000080	11052	17354 19536 24652	
PSOFJOBI	00001	00000008	11056	17354 19536 24652	
PSOFJOBNO	00001	00000010	11055	17354 19536 24652	
PSOFLG1	00001	00000074	10980	17354 17358 19536 19540 24652	
PSOFLG2	00001	00000075	10981	17360 19542 24653	
PSOFRLE	00001	00000008	11048	17367 19549	
PSOFROUT	00001	00000020	11046	17371 19553	
PSOJOBNO	00008	00000078	10983	17361 19543 24655	
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PSOLNGTH	00001	00000128	11029	17336 17351 19518 19533 24628 24643	
PSONEXT	00004	00000000	10972	17374 17375 17380 19556 19557 19562 24658 24659 24664	
PSOROUTE	00002	00000122	11025	17370 19552	
PSOUFLG	00001	00000072	10978	11001 17365 17367 17371 19547 19549 19553 24654	
QSEACTIV	00001	00000080	09259	21721 21810	
QSEDECT	00001	00000000	09233	09242 13668 14340 14369 15582 15880 15992 16444 18999 19183 20892 21691 21796 21836 22003 22140	
QSEFLAGS	00001	00000012	09240	13673 14378 15586 15884 15996 19004 19188 20896 20937 21695 21745 21797 22007 22145	
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QSEPJOB	00001	00000080	09248	15630 18128 19208 22100 24423	
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QSERSTID	00001	00000007	09261	21719 21763 21843 22219	
QSESIAPF	00001	0000000D	09237	13670 14372 15592 15592 15889 16003 16004 19009 19185 20902 20934 22012 22044 22142	
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QUECHAIN	00002	00000006	09658	15612 15808 15847 16120 16487 17259 17666 18073 18670 18710 19046 19447 22072 23706 23978 24317 24351	
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QUEHOLDA	00001	00000080	09686	14307 14312 15655 15658 15662 16360 16522 16792 18121 18123 24609 24770 24787 24794	
QUEHOLD1	00001	00000040	09687	14307 14312 15660 16360 16522 16792 18121 18123 18212 24609 24770 24787 24794	
QUEHOLD2	00001	00000020	09688	14307 16360 16522 24609 24770 24787 24794	
QUEINDAF	00001	00000080	09696	13656 14384 16013 16014 16172 18994 19014 19016 20887 20905 20907 22037 22047 22049 22128 22250	
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QUEJOBNO	00002	00000002	09655	13374 16799 16801 23837	
QUEOPCAN	00001	00000008	09690	14307 14320 24613 24788 24795	
QUEPRTRT	00002	0000000C	09661	16819	
QUEPUNRT	00002	0000000E	09662	16816	
QUEPURGE	00001	00000010	09689	14307 14316 24011 24062 24610	
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
SJBASID	00002	000000E2	08483	24763	
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SJBFLG1	00001	0000004E	08403	18338 24737 24766	
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SJBIACB	00004	00000208	08608	08647	
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SJBLOGQ	00004	000000D8	08476	23853 23855	
SJBMACB	00004	00000274	08651	08690	
SJBSAVE	00004	00000000	08381	08385	
SJBXBJNM	00008	000000A0	08440	21381	
SJBXQCHN	00004	000000C8	08469	23844	
SJB1EJOB	00001	00000004	08409	18338 24766	
SJB1XBM	00001	00000010	08407	24737	
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SJB2CNCL	00001	00000010	08416	24732	
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
SSSODELC	00001	00000040	03860	11045	
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SSSODUPJ	00001	00000014	03850	11039	
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SSSOINVJ	00001	00000018	03851	11040	
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SSSOSFRM	00001	00000002	03875	11058	
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SSSOSPGM	00001	00000004	03874	11057	
SSSOUNAV	00001	00000010	03849	11038	
SSVT	00001	00000000	08081	08113 08354 12048 13071 13074 13087 16386 16388 16809 17084 17481 17483 21315 21317 21321 21408 21541 21588 23597 23832 24157	
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STCRNM	00006	000067A4	21600	21551	
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S34DJOB	00008	00000019	10904	23848	
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S34DMSGL	00002	0000000E	10901	23825	
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S34DSECT	00001	00000000	10896	10916 23796	
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TCBDARPN	00001	00000040	04311	04313	
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TCBFIX	00001	00000000	03973	03980	
TCBMNLEN	00001	00000128	04671	04742	
TCBPXLEN	00001	00000020	03980	04742	
TCBXTNT2	00001	00000000	04676	04740	
TCBX2LEN	00001	00000020	04740	04742	
UCBALOC	00001	00000008	06453	06649	
UCBBALB	00001	00000020	06692	06831	
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22														
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UCBDSECT	00001	00000000	06267	13328															
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UCBFSCCT	00002	00000018	06786	06840															
UCBFSEQ	00002	0000001A	06787	06841															
UCBJBNR	00001	00000000	06382	06642															
UCBMONT	00001	00000001	06403	06643															
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UCBNRY	00001	00000040	06472	06473															
UCBONLI	00001	00000080	06442	06645															
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UCBPST	00001	00000020	06474	06475															
UCBRESV	00001	00000020	06448	06647															
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UCBUNLD	00001	00000010	06450	06648															
UCBUSER	00001	00000026	06763	06842															
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UCB3203	00001	0000000B	07374	20474															
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UCMARECB	00004	00000010	07791	07920															
UCMDECB	00004	0000000C	07789	07919															
UCMDISPI	00001	00000080	08000	22515	22545														
UCMDISPJ	00001	00000040	08001	22515	22543														
UCMDISP2	00001	000001BB	07999	22515	22516														
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22													
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				13609	13611	13612	13612	13619	13635	13635	13643	13645	13646	13646	13648	13650	13651	13651
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SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
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				19020 19024 19033 19059 19078 19078 19079 19085 19305 19312 19313 19320 19342 19343 19371	
				19372 19377 19438 19439 19466 19669 19690 19698 19699 19701 19719 19766 19767 19781 19797	
				19807 19809 19851 19994 20001 20003 20042 20043 20230 20232 20254 20658 20698 20713 20715	
				20746 20772 20815 20904 20911 20914 20918 21028 21169 21244 21420 21422 21423 21609 21614	
				21615 21642 21674 21675 21700 21983 21988 22014 22015 22046 22053 22057 22181 22182 22268	
				22269 22273 22278 22280 22289 22392 22392 22402 22408 22416 22419 22419 22492 22507 22528	
				22540 22566 22570 22608 22619 22665 22666 22697 22717 22718 22753 22819 22876 23024 23024	
				23025 23028 23029 23032 23098 23100 23101 23101 23104 23118 23120 23126 23126 23127 23134	
				23138 23139 23144 23159 23180 23184 23191 23192 23203 23204 23382 23382 23383 23588 23593	
				23606 23607 23608 23633 23688 23766 23786 23814 23815 23933 23934 24106 24110 24131 24132	
				24134 24135 24178 24231 24261 24278 24464 24590 24592 24595 24596 24599 24604 24727 24730	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22																							
				24772 24864 24974 24975																								
WE	00001	00000006	02443	13038 13039 13039 13044 13045 13045 13047 13054 14540 14541 14543 14586 14615 14616 14690	14691 14757 15574 15684 15759 15793 15793 15818 15818 15863 15971 16006 16015 16102 16102	16128 16167 16167 16168 16169 16169 16170 16512 16512 16655 16980 16983 17090 17092 17096	17154 17720 18038 18052 18155 18243 18295 18377 18386 18386 18411 18427 18427 18438 18496	18499 18912 19013 19020 19034 19059 19088 19091 19328 19439 19459 19481 19484 19666 19719	19766 19797 19809 19851 19994 20001 20003 20230 20658 20713 20772 20867 20904 20911 20918	21609 21642 21674 21766 21841 21845 21983 22014 22017 22046 22053 22153 22181 22268 22278	22289 22388 22401 22507 22566 22697 22753 22819 22876 23096 23100 23102 23109 23109 23120	23202 23202 23204 23206 23209 23209 23341 23606 23633 23635 23646 23786 23933 24028 24093	24133 24554 24687 24734 24735 24772 24862 24871 24891 24913 25000															
WF	00001	00000007	02444	12047 12048 12100 13038 13044 13049 13049 13050 13051 13052 13053 13056 13058 13060 14595	14662 14662 14692 14754 14755 14757 16094 16095 16097 16099 16126 16133 16510 16710 16719	16734 16785 16829 16879 16958 17056 17058 17066 17718 18037 18038 18244 18247 18249 18254	18255 18255 18284 18296 18497 18774 18875 19511 19512 19512 19528 19531 19555 19556 19560	19563 19807 21420 22389 23098 23127 23383 23613 23644 24027 24092 24094 24556 24624 24718	24773 24784 24863 24902 24918 24975 24995																			
XAA	00002	0000002A	11677	11889																								
XACOMPMS	00001	00000010	11844	11845																								
XAD	00004	00000004	11667	11784																								
XALTCHG	00001	00000020	11841	11843																								
XAN	00001	00000014	11671	14916																								
XAS	00008	00000020	11674	11800 11825																								
XASCID	00001	00000020	11801	14910																								
XASDID	00001	00000021	11802	14911 14912 14914																								
XAU	00001	00000028	11675	14915																								
XAX	00008	00000008	11668	11871																								
XSA	00008	00000000	11662	11680 11768 11772																								
Z	00001	00000008	02463	23523																								

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=CL8' '	00008	00000A98	13176	12046 12526 12766 13061	
=CL8' ID=****'					
	00008	00000AA0	13177	12213	
=C' INVALID COMMAND'					
	00001	00000AA8	13178	12747	
=C' INVALID OPERAND'					
	00001	00000AB8	13179	12768	
=A(HASPCSY1)					
	00004	00000AC8	13180	11954 12080	
=A(COFPRINT)					
	00004	00000ACC	13181	11958	
=A(COFPRDEV)					
	00004	00000AD0	13182	11961	
=A(HASPCOME)					
	00004	00000AD4	13183	12096	
=F'4'	00004	00000AD8	13184	12219	
=F'1000000'					
	00004	00000ADC	13185	12300	
=A(60*60*24)					
	00004	00000AE0	13186	12343	
=A(CVALIDTB)					
	00004	00000AE4	13187	12611	
=A(X'0000FFFF')					
	00004	00000AE8	13188	12856	
=X'0000FFFF'					
	00001	00000AEC	13189	12861	
=F'214748365'					
	00004	00000AF0	13190	12937	
=C'OK'	00001	00000AF4	13191	12022	
=Y(CPJES2-HASPCSY1)					
	00002	00000AF6	13192	12079	
=H'365'	00002	00000AF8	13193	12323	
=H'10'	00002	00000AFA	13194	12452 12940	
=H'9999'	00002	00000AFC	13195	12454	
=X'402020202120'					
	00001	00000AFE	13196	12495	
=CL2'RD'	00002	00000B04	13197	12548	
=CL2'PR'	00002	00000B06	13198	12550	
=CL2'PU'	00002	00000B08	13199	12552	
=AL2(RATTLE)					
	00002	00000B0A	13200	12559	
=Y(RATTLE)					
	00002	00000B0C	13201	12625 13014 13164	
=C'INTRDR'					
	00001	00000B0E	13202	12657	
=Y(JOEJOE-JOEDSECT)					
	00002	00000B14	13203	12842	
=CL10' R'					
	00010	00000B16	13204	12972	
=Y(8)	00002	00000B20	13205	13064	
=Y(255)	00002	00000B22	13206	13095	
=H'0'	00002	00000B24	13207	13162	
=C'COMMAND PURGED--SHARED QUEUES UNAVAILABLE'					
	00001	00000B26	13208	11947	
=C'RMT'	00001	00000B4F	13209	12572	
=C'CON'	00001	00000B52	13210	12630	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=C'RDI'	00001	00000B55	13211	12653	
=XL3'00'	00003	00000B58	13212	12884	
=C'LOCAL'					
	00001	00000B5B	13213	12979	
=C'ACTIVE'					
	00001	00001330	13865	13259	
=CL8'ACTIVE'					
	00008	00001338	13866	13270	
=CL8'HALTED'					
	00008	00001340	13867	13275	
=CL8'PAUSED'					
	00008	00001348	13868	13281	
=CL8'INACTIVE'					
	00008	00001350	13869	13283	
=CL8'ACTIVE'					
	00008	00001358	13870	13288	
=CL8'STCINRDR'					
	00008	00001360	13871	13601	
=CL8'TSOINRDR'					
	00008	00001368	13872	13603	
=C'*** INACTIVE'					
	00001	00001370	13873	13253	
=C'*** DRAINING'					
	00001	0000137C	13874	13263	
=F'0'	00004	00001388	13875	13286	13703
=C'(JOB'	00001	0000138C	13876	13373	
=C'OPER'	00001	00001390	13877	13407	
=C',STD'	00001	00001394	13878	13441	13448
=C'LIM='	00001	00001398	13879	13482	
=F'-1'	00004	0000139C	13880	13488	
=X'40202120'					
	00001	000013A0	13881	13535	
=C'****'	00001	000013A4	13882	13560	13565 13570 13575 13582 13588
=C'IND,'	00001	000013A8	13883	13658	
=C'D=Q'	00001	000013AC	13884	13719	
=H'10000'					
	00002	000013B0	13885	13375	13380
=H'20000'					
	00002	000013B2	13886	13378	
=X'402020202120'					
	00001	000013B4	13887	13384	
=C'F='	00001	000013BA	13888	13402	
=C'R='	00001	000013BC	13889	13423	
=C'C='	00001	000013BE	13890	13431	
=C'T='	00001	000013C0	13891	13444	
=C'K='	00001	000013C2	13892	13457	
=C'Q='	00001	000013C4	13893	13514	
=C'Z='	00001	000013C6	13894	13531	
=C'O='	00001	000013C8	13895	13584	
=C'Y='	00001	000013CA	13896	13590	
=C'C= Q='					
	00001	000013CC	13897	13600	
=C'A='	00001	000013D2	13898	13619	13731
=C'P='	00001	000013D4	13899	13645	
=C'U='	00001	000013D6	13900	13650	
=C'S='	00001	000013D8	13901	13655	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=CL3'ED'	00003	000013DA	13902	13268	
=CL3'SNA'					
	00003	000013DD	13903	13320	
=C'TSU'	00001	000013E0	13904	13377	
=C'STC'	00001	000013E3	13905	13381	
=C'AUTOM'					
	00001	000013E6	13906	13410	
=C'P=N'	00001	000013EB	13907	13412	
=C'S=Y'	00001	000013EE	13908	13472	
=C'B=N M=N'					
	00001	000013F1	13909	13551	
=C'X1='	00001	000013F8	13910	13562	
=C'X2='	00001	000013FB	13911	13567	
=C'X3='	00001	000013FE	13912	13572	
=C'X4='	00001	00001401	13913	13577	
=C'ANY'	00001	00001404	13914	13662	
=C'H=N'	00001	00001407	13915	13691	
=C'OWNER='					
	00001	0000140A	13916	13705	
=C'D=I'	00001	00001411	13917	13722	
=C'E=N'	00001	00001414	13918	13739	
=C'P=SET'					
	00001	00001417	13919	13747	
=C'D=0'	00001	0000141C	13920	13806	
=C'A=N S=N'					
	00001	0000141F	13921	13828	
=C'AWAITING'					
	00001	000019D0	14467	14034 14092 14218 14261	
=C'PRYSOUT'					
	00001	000019D8	14468	14160	
=A(QUEBUSY)					
	00004	000019E0	14469	14046 14122 14336	
=A(COFDEVTB)					
	00004	000019E4	14470	14145	
=X'2020204B'					
	00001	000019E8	14471	14168	
=C'PRIO'	00001	000019EC	14472	14299	
=C'HOLD'	00001	000019F0	14473	14310	
=H'20000'					
	00002	000019F4	14474	14012 14282	
=H'10000'					
	00002	000019F6	14475	14015 14276 14291	
=C'ON'	00001	000019F8	14476	14136	
=Y(COFDEVTL)					
	00002	000019FA	14477	14144	
=C'OUTPUT'					
	00001	000019FC	14478	14219	
=C'CANCEL'					
	00001	00001A02	14479	14318	
=AL2(QSELEN)					
	00002	00001A08	14480	14338	
=H'70'	00002	00001A0A	14481	14407	
=C'EXECUTION *'					
	00001	00001A0C	14482	14035 14093	
=C'EXECUTING'					
	00001	00001A17	14483	14057	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=X'202020'					
	00001	00001A20	14484	14155	
=C'PRT'	00001	00001A23	14485	14236	
=C'PUN'	00001	00001A26	14486	14237	
=C'ANY'	00001	00001A29	14487	14247 14363	
=C'PURGE'					
	00001	00001A2C	14488	14262 14314	
=C'JOB'	00001	00001A31	14489	14280	
=C'TSU'	00001	00001A34	14490	14286	
=C'STC'	00001	00001A37	14491	14290	
=C'DUPLICATE'					
	00001	00001A3A	14492	14322	
=C'IND'	00001	00001A43	14493	14386	
=A(X'0000FFFF')					
	00004	00001FA8	25007	24879 24887	
=A(JOEJOE-JOEDSECT)					
	00004	00001FAC	25008	24884	
=C'IOT'	00001	00001FB0	25009	24933	
=A(COMVC-COMVCOFF)					
	00004	00002720	15497	14565	
=A(X'F')	00004	00002724	15498	14827	
=C'L='	00001	00002728	15499	14590 14650	
=H'4'	00002	0000272A	15500	14927	
=H'12'	00002	0000272C	15501	14932	
=C'ESYS,RESET='					
	00001	0000272E	15502	14840	
=C'PJES2'					
	00001	00002739	15503	14842	
=C'COMMAND REJECTED -- JES2 SHUTDOWN IN PROGRESS'					
	00001	0000273E	15504	14846	
=C'RELEASED'					
	00001	00003228	16605	15642	
=A(X'0000FFFF')					
	00004	00003230	16606	15617 15810 15849 16122 16489	
=C'NO JOBS HELD'					
	00001	00003234	16607	15637	
=A(CVALIDTB)					
	00004	00003240	16608	15700	
=A(X'C0')					
	00004	00003244	16609	15707	
=V(\$QINDEX)					
	00004	00003248	16610	15806 15845 16118 16485	
=A(COFJMSG)					
	00004	0000324C	16611	15833 16472	
=C'HOLD'	00001	00003250	16612	16076	
=A(X'40')					
	00004	00003254	16613	16242	
=C'IND'	00001	00003258	16614	16270 16353 16375	
=CL4'ANY'					
	00004	0000325C	16615	16342 16430	
=CL4'OUT'					
	00004	00003260	16616	16347	
=F'100'	00004	00003264	16617	16387	
=A(127)	00004	00003268	16618	16436 16461	
=C'NO ACTIVE JOBS'					
	00001	0000326C	16619	15826	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=H'4'	00002	0000327A	16620	15876	
=CL6'XEQ *'					
	00006	0000327C	16621	16231	
=C' PERCENT SPOOL UTILIZATION'					
	00001	00003282	16622	16393	
=AL2(QSELEN)					
	00002	0000329C	16623	16442	
=C'ALL'	00001	0000329E	16624	15576 15892 15980	
=AL1(QUESYSAF)					
	00001	000032A1	16625	15578	
=AL1(\$INPUT,\$OUTPUT,\$HARDCPY)					
	00001	000032A2	16626	15790	
=C'LIST INCOMPLETE'					
	00001	000032A5	16627	15857 16495	
=C'ANY'	00001	000032B4	16628	15975	
=C'IND'	00001	000032B7	16629	15988 16010	
=C'XEQ'	00001	000032BA	16630	16034	
=C'STC'	00001	000032BD	16631	16046	
=C'TSU'	00001	000032C0	16632	16051	
=C'OUT'	00001	000032C3	16633	16067	
=C'PPU'	00001	000032C6	16634	16072 16338	
=CL5'HOLD'					
	00005	000032C9	16635	16248 16369	
=C'NO OUTPUT QUEUED'					
	00001	00003AA8	17404	16902	
=C'NO DATA SET(S) CANCELLED'					
	00001	00003AB8	17405	17117	
=C'JOB(S) NOT FOUND'					
	00001	00003AD0	17406	17319	
=A(X'0000FFFF')					
	00004	00003AE0	17407	16731 16782 16827 16876 17063 17264	
=C'****'	00001	00003AE4	17408	16749	
=C' B=Y'	00001	00003AE8	17409	16756	
=C'=','	00001	00003AEC	17410	16771	
=X'0000FFFF'					
	00001	00003AF0	17411	16789 17079	
=A(CLJHLDTB)					
	00004	00003AF4	17412	16935 17044	
=A(CVALIDTB)					
	00004	00003AF8	17413	17005 17180	
=A(\$IOTPUR)					
	00004	00003AFC	17414	17106	
=F'3'	00004	00003B00	17415	17230	
=C'NO STORAGE AVAILABLE'					
	00001	00003B04	17416	17389	
=H'32767'					
	00002	00003B18	17417	16654	
=H'10000'					
	00002	00003B1A	17418	16693 16694 16695 16696	
=C'OUT R='					
	00001	00003B1C	17419	16740	
=H'70'	00002	00003B22	17420	16769 17040	
=H'100'	00002	00003B24	17421	16839 16851	
=C'CLASS '					
	00001	00003B26	17422	16863	
=H'4'	00002	00003B2C	17423	17000 17175 17242	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=H'3'	00002	00003B2E	17424	17197	
=H'5'	00002	00003B30	17425	17199	
=H'1'	00002	00003B32	17426	17213	
=C'F=XXXX C=XXXX T=XXXX W= (NONE) '					
	00001	00003B34	17427	16741	
=C' O='	00001	00003B53	17428	16751	
=C' CLASS '					
	00001	00003B56	17429	16758	
=C'DATA SETS RELEASED TO'					
	00001	00003B5D	17430	17286	
=C'CANCELLED'					
	00001	00003B72	17431	17290	
=C'NO HELD DATA SETS'					
	00001	00003B7B	17432	17311	
=CL8' '	00008	00004078	17909	17655	
=F'100'	00004	00004080	17910	17482	
=X'0000FFFF'					
	00001	00004084	17911	17505 17511 17530 17582 17807 17817	
=A(X'0000FFFF')					
	00004	00004088	17912	17668	
=C' PERCENT SPOOL UTILIZATION'					
	00001	0000408C	17913	17488	
=H'10000'					
	00002	000040A6	17914	17553 17559 17695	
=H'20000'					
	00002	000040A8	17915	17556 17699	
=C' JOB NOT FOUND'					
	00001	000040AA	17916	17677	
=C'OPERANDS MISSING FOR \$U'					
	00001	000040B8	17917	17737	
=C'SYSOUT CLASS/ES CHANGED'					
	00001	000040CF	17918	17877	
=C'NO OUTPUT FOUND'					
	00001	000040E6	17919	17884	
=C'RELEASED'					
	00001	000046D0	18547	18124	
=C'JOB(S) NOT FOUND'					
	00001	000046D8	18548	18160	
=C' NOT RESTARTABLE'					
	00001	000046E8	18549	18335	
=A(HASPCSY1)					
	00004	000046F8	18550	17963 17970	
=C'LSYS'	00001	000046FC	18551	17967	
=A(CVALIDTB)					
	00004	00004700	18552	18015	
=A(X'0000FFFF')					
	00004	00004704	18553	18075 18264 18395	
=A(COFJMSG)					
	00004	00004708	18554	18201	
=A(255-X'C0')					
	00004	0000470C	18555	18251	
=A(CPQTABLE-1)					
	00004	00004710	18556	18252	
=X'0000FFFF'					
	00001	00004714	18557	18271 18400	
=A(\$IOTPUR)					

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
	00004	00004718	18558	18287	
=C' DATA SETS CANCELLED'					
	00001	0000471C	18559	18299	
=V(HASPLIST)					
	00004	00004730	18560	18486	
=Y(CPJES2-HASPCSY1)					
	00002	00004734	18561	17962	
=Y(CLSYS-HASPCSY1)					
	00002	00004736	18562	17969	
=H'10000'					
	00002	00004738	18563	17991 18135 18141 18318 18326 18361 18367	
=H'20000'					
	00002	0000473A	18564	17994 18138 18364	
=C'Q='	00001	0000473C	18565	18009	
=H'4'	00002	0000473E	18566	18013	
=C' NOT HELD '					
	00001	00004740	18567	18120	
=C' NOT EXECUTING ON '					
	00001	0000474A	18568	18341	
=CL6'READY'					
	00006	0000475C	18569	18375	
=H'100'	00002	00004762	18570	18417	
=Y(L'JOTRDYWQ-2)					
	00002	00004764	18571	18425	
=C'NO READY DATA SETS'					
	00001	00004766	18572	18429	
=C'PJES2'					
	00001	00004778	18573	17960	
=C'JOB'	00001	0000477D	18574	18134 18360	
=C'TSU'	00001	00004780	18575	18137 18363	
=C'STC'	00001	00004783	18576	18140 18366	
=C' NON-CANCELABLE'					
	00001	00004786	18577	18186	
=C' NO DATA SETS CANCELLED'					
	00001	00004795	18578	18303	
=C'='**'	00001	000047AC	18579	18416	
=CL5'HELD'					
	00005	000047AF	18580	18490	
=C'NO HELD DATA SETS'					
	00001	000047B4	18581	18529	
=CL8' '	00008	00004A40	18808	18646	
=A(CVALIDTB)					
	00004	00004A48	18809	18612	
=A(X'0000FFFF')					
	00004	00004A4C	18810	18675 18712	
=A(COFJMSG)					
	00004	00004A50	18811	18702	
=C' MULTIPLE JOBS FOUND'					
	00001	00004A54	18812	18753	
=A(HASPCJB2)					
	00004	00004A68	18813	18788	
=A(HASPCJ3A)					
	00004	00004A6C	18814	18792	
=A(HASPCJB4)					
	00004	00004A70	18815	18796	
=C'Q='	00001	00004A74	18816	18606	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=H'4'	00002	00004A76	18817	18610	
=C' JOB NOT FOUND'					
	00001	00004A78	18818	18732	
=C'LIST INCOMPLETE'					
	00001	00004A86	18819	18722	
=C'TSYS'	00001	00004F10	19254	18844	
=A(HASPCSY1)					
	00004	00004F14	19255	18847	
=A(CVALIDTB)					
	00004	00004F18	19256	18933	
=A(X'C0')					
	00004	00004F1C	19257	18938	
=A(X'0000FFFF')					
	00004	00004F20	19258	19048	
=A(X'40')					
	00004	00004F24	19259	19134 19137	
=A(COFJMSG)					
	00004	00004F28	19260	19225	
=Y(CTSYS-HASPCSY1)					
	00002	00004F2C	19261	18846	
=H'10000'					
	00002	00004F2E	19262	18851 19157	
=H'20000'					
	00002	00004F30	19263	18857	
=C'STC'	00001	00004F32	19264	18853	
=C'TSU'	00001	00004F35	19265	18859	
=C'JOB'	00001	00004F38	19266	18865	
=C'ANY'	00001	00004F3B	19267	18986	
=C'IND'	00001	00004F3E	19268	18992	
=C'NO JOB(S) FOUND'					
	00001	00004F41	19269	19066	
=C'JOB(S) NOT FOUND'					
	00001	000052F8	19633	19472	
=A(CVALIDTB)					
	00004	00005308	19634	19356	
=F'3'	00004	0000530C	19635	19418	
=A(X'0000FFFF')					
	00004	00005310	19636	19449	
=C'NO STORAGE AVAILABLE'					
	00001	00005314	19637	19597	
=H'20000'					
	00002	00005328	19638	19295 19496	
=H'10000'					
	00002	0000532A	19639	19298 19493 19498	
=H'4'	00002	0000532C	19640	19351 19430	
=H'3'	00002	0000532E	19641	19385	
=H'5'	00002	00005330	19642	19387	
=H'1'	00002	00005332	19643	19401	
=C'JOB'	00001	00005334	19644	19492	
=C'TSU'	00001	00005337	19645	19495	
=C'STC'	00001	0000533A	19646	19499	
=C'DATA SETS RELEASED TO'					
	00001	0000533D	19647	19565	
=C'CANCELLED'					
	00001	00005352	19648	19569	
=C'NO HELD DATA SETS'					

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
	00001	0000535B	19649	19590	
=C' INVALID OPERAND'					
	00001	000061F0	21104	19693	
=A(CTOR)	00004	00006200	21105	19740	
=A(HASPCSY3)					
	00004	00006204	21106	19741	
=C'LIM='	00001	00006208	21107	20246	
=C'****'	00001	0000620C	21108	20314 20326 20429 20431	
=F'999999'					
	00004	00006210	21109	20383 20387	
=F'-1'	00004	00006214	21110	20385	
=A(CVALTABL)					
	00004	00006218	21111	20442	
=X'0001003A'					
	00001	0000621C	21112	20466 20539	
=C'UCS1'	00001	00006220	21113	20467	
=A(CVALIDTDB)					
	00004	00006224	21114	20625 20841	
=A(COFDCTD)					
	00004	00006228	21115	20671 20775	
=Y(RATTLE)					
	00002	0000622C	21116	19685	
=C'OK'	00001	0000622E	21117	19852	
=C' NOT AVAILABLE'					
	00001	00006230	21118	20139	
=H'4'	00002	0000623E	21119	20256 20440 21030	
=H'1'	00002	00006240	21120	20338	
=X'000F'	00001	00006242	21121	20584 20596	
=H'99'	00002	00006244	21122	20701	
=H'8160'	00002	00006246	21123	20749	
=H'31'	00002	00006248	21124	20751	
=H'7'	00002	0000624A	21125	20818	
=C'CON'	00001	0000624C	21126	19738	
=C' NOT ACTIVE ON '					
	00001	0000624F	21127	19982	
=C' INVALID UNIT'					
	00001	0000625E	21128	20133	
=C'RESET'					
	00001	0000626B	21129	20312 20324 20425	
=C'AUTOM'					
	00001	00006270	21130	20651	
=X'0F'	00001	00006275	21131	20670	
=C' IN USE'					
	00001	00006276	21132	20685	
=C'ANY'	00001	0000627D	21133	20879	
=C'IND'	00001	00006280	21134	20885	
=CL8'DRAINING'					
	00008	00006DD8	22209	21341	
=CL8'DRAINED'					
	00008	00006DE0	22210	21344	
=CL8'HALTED'					
	00008	00006DE8	22211	21351	
=CL8'INACTIVE'					
	00008	00006DF0	22212	21353	
=CL8'ACTIVE'					
	00008	00006DF8	22213	21356	

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
=CL8 'STARTING'					
	00008	00006E00	22214	21360	
=C ' DORMANT'					
	00001	00006E08	22215	21818	
=C ' RE-STARTING ON '					
	00001	00006E10	22216	21830	
=A(CVALIDTB)					
	00004	00006E20	22217	21432	
=C 'ESYS'	00001	00006E24	22218	21666	
=A(QSERSTID)					
	00004	00006E28	22219	21832	
=F '6E7'	00004	00006E2C	22220	21887	
=F '1E4'	00004	00006E30	22221	21890	
=A(24*60)					
	00004	00006E34	22222	21893	
=A(60*100)					
	00004	00006E38	22223	21895	
=F '365'	00004	00006E3C	22224	21898 21906 21947	
=A(365*3+366)					
	00004	00006E40	22225	21901	
=F '3'	00004	00006E44	22226	21907	
=F '1000'	00004	00006E48	22227	21915	
=A(100)	00004	00006E4C	22228	21929	
=A(60)	00004	00006E50	22229	21931 21936	
=A(X'0000FFFF')					
	00004	00006E54	22230	22077	
=C 'IND='	00001	00006E58	22231	22183	
=Y(L'PITPATID)					
	00002	00006E5C	22232	21177 21193	
=CL(L'PITPATID) ' '					
	00002	00006E5E	22233	21182 21189	
=C 'OK'	00001	00006E60	22234	21301	
=C 'S INIT.INIT,,,'					
	00001	00006E62	22235	21320	
=C 'XB'	00001	00006E70	22236	21376	
=C ',ABEND'					
	00001	00006E72	22237	21494	
=H '2'	00002	00006E78	22238	21618 21622	
=C 'RESET='					
	00001	00006E7A	22239	21676	
=H '4'	00002	00006E80	22240	21686 21997	
=Y(QSELEN)					
	00002	00006E82	22241	21834	
=H '10000'					
	00002	00006E84	22242	22116	
=C 'SYSTEM DRAINING'					
	00001	00006E86	22243	21459	
=C 'JES2 NOT DORMANT -- SYSTEM NOW DRAINING'					
	00001	00006E95	22244	21593	
=C 'INITI'					
	00001	00006EBC	22245	21679	
=C ' INACTIVE'					
	00001	00006EC1	22246	21822	
=C ' ACTIVE'					
	00001	00006ECA	22247	21848	
=C ' INDEPENDENT MODE'					

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
	00001	00006ED1	22248	21854	
=C'IND'	00001	00006EE2	22249	21990 22035	
=AL1(QUEINDAF)					
	00001	00006EE5	22250	21992	
=C'ANY'	00001	00006EE6	22251	22029	
=C'NO JOB(S) RE-ROUTED'					
	00001	00006EE9	22252	22091	
=C'NO JOB(S) FOUND'					
	00001	00006EFC	22253	22108	
=H'15'	00002	000072A0	22590	22276	
=H'10'	00002	000072A2	22591	22348	
=C'D='	00001	000072A4	22592	22529 22571	
=C'CON'	00001	000072A6	22593	22395	
=C'ENTRY CONSOLE NOT SUPPORTED'					
	00001	000072A9	22594	22456	
=C'TALL'	00001	00007748	22980	22655	
=A(HASPCSY1)					
	00004	0000774C	22981	22658	
=CL4' '	00004	00007750	22982	22674	
=A(X'F')	00004	00007754	22983	22777 22798 22804	
=A(60*60)					
	00004	00007758	22984	22908	
=A(60)	00004	0000775C	22985	22914	
=A(COMJDS)					
	00004	00007760	22986	22932	
=Y(CTALL-HASPCSY1)					
	00002	00007764	22987	22657	
=H'4'	00002	00007766	22988	22671 22773 22792	
=C' INVALID SPECIFICATION'					
	00001	00007768	22989	22690 22729	
=Y(L'ACETEXT)					
	00002	0000777E	22990	22745	
=H'10'	00002	00007780	22991	22775 22799	
=H'30'	00002	00007782	22992	22785	
=H'5'	00002	00007784	22993	22790	
=H'6'	00002	00007786	22994	22808	
=H'6000'	00002	00007788	22995	22812	
=H'60'	00002	0000778A	22996	22814	
=C'NO AUTOMATIC COMMAND FOUND'					
	00001	0000778C	22997	22820 22949	
=H'9999'	00002	000077A6	22998	22850	
=X'402020202120'					
	00001	000077A8	22999	22920	
=C'INSUFFICIENT OPERANDS'					
	00001	000077AE	23000	22754	
=C'ID **** T=**.** I=**** '					
	00001	000077C3	23001	22903	
=C'AUTOMATIC COMMAND LIMIT REACHED'					
	00001	000077DA	23002	22938	
=C'NO OPERATOR REQUESTS'					
	00001	00007D28	23550	23046	
=A(COFDCTD)					
	00004	00007D3C	23551	23243 23353	
=AL2(CDUTBSZ)					
	00002	00007D40	23552	23145	
=AL2(RATTLE)					

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM 0201 06.59 01/28/22
	00002	00007D42	23553	23205 23206	
=CL14'SESSION(S) -'					
	00014	00007D44	23554	23264	
=C'NO DEVICE(S) FOUND'					
	00001	00007D52	23555	23402	
=X'0F'	00001	00007D64	23556	23234	
=CL9'SUSPENDED'					
	00009	00007D65	23557	23272	
=CL9'INACTIVE'					
	00009	00007D6E	23558	23274	
=CL9'ACTIVE'					
	00009	00007D77	23559	23279	
=CL9'DRAINING'					
	00009	00007D80	23560	23282	
=CL9'CLOSING'					
	00009	00007D89	23561	23286	
=C'INVALID OPERAND(S) DETECTED'					
	00001	00007D92	23562	23394	
=CL8' '	00008	00008628	24438	23675 24244	
=C'JOB(S) NOT FOUND'					
	00001	00008630	24439	23731 24400	
=C'C 0'	00001	00008640	24440	23622	
=A(X'0000FFFF')					
	00004	00008644	24441	23711 23980 24319 24353	
=C' MULTIPLE JOBS FOUND'					
	00001	00008648	24442	23750	
=A(COFJMSG)					
	00004	0000865C	24443	23761 24336	
=A(QUEBUSY)					
	00004	00008660	24444	23783	
=X'D9202120'					
	00001	00008664	24445	23807	
=F'65535'					
	00004	00008668	24446	24132	
=A(CVALIDTB)					
	00004	0000866C	24447	24283	
=C'OK'	00001	00008670	24448	23617 23881	
=H'10000'					
	00002	00008672	24449	23679 23837 24252	
=H'3'	00002	00008674	24450	23690	
=C' JOB NOT FOUND'					
	00001	00008676	24451	23736	
=C' JOB NOT EXECUTING ON '					
	00001	00008684	24452	23872	
=H'0'	00002	0000869A	24453	24172	
=H'4'	00002	0000869C	24454	24281	
=C'NO DATA SETS RE-ROUTED'					
	00001	0000869E	24455	24431	
=X'80'	00001	000086B4	24456	23755	
=C'ALL'	00001	000086B5	24457	23916	
=C'PRT'	00001	000086B8	24458	23919	
=C'PUN'	00001	000086BB	24459	23922	
=C'MULTIPLE JOBS FOUND'					
	00001	000086BE	24460	24305	
=C'LIST INCOMPLETE'					
	00001	000086D1	24461	24361	

SYMBOL	LEN	VALUE	DEFN	REFERENCES
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ASM 0201 06.59 01/28/22

=C'ACTIVE DATA SETS NOT ROUTED'				
	00001	000086E0	24462	24413

ASM 0201 06.59 01/28/22

NO STATEMENTS FLAGGED IN THIS ASSEMBLY

HIGHEST SEVERITY WAS 0

OPTIONS FOR THIS ASSEMBLY

ALIGN, ALOGIC, BUFSIZE(STD), DECK, ESD, FLAG(0), LINECOUNT(56), LIST, NOMCALL, YFLAG, WORKSIZE(2097152)

NOMLOGIC, NONUMBER, NOOBJECT, NORENT, RLD, NOSTMT, NOLIBMAC, NOTERMINAL, NOTEST, XREF(SHORT)

SYSPARM()

WORK FILE BUFFER SIZE/NUMBER = 7294/ 1

TOTAL RECORDS READ FROM SYSTEM INPUT 11562

TOTAL RECORDS READ FROM SYSTEM LIBRARY 23564

TOTAL RECORDS PUNCHED 653

TOTAL RECORDS PRINTED 20475

COPY OUTDD=LINKLIB,INDD=LINKLIB

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IEB161I COMPRESS TO BE DONE USING INDD NAMED LINKLIB
IEB152I AMAPTFLE COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HMAPTFLE COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IMAPTFLE COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMAPTF01 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMAPTF02 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRFXT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRLPA COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRNUC COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPROOT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRPCR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRPJB COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRPMS COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRDPS COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRSUM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRFUB COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRQCB COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRFDS COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMASPZAP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IMASPZAP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRL0D COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDSAPRO COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRECT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRCVT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRFAR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRMST COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRGCD COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HEWLDRGO COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEWLDRGO COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I LOADER COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDAYZZ COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDBSM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDKHISC COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDNMG COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDPMD COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQET COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQE1 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQE2 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQE3 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQE4 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQE6 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQE8 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQHI COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNA2 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNB COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNB02 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNB05 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNJ COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEDQNU COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
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IEB152I	IEDQW43	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQW44	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQW47	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQXA	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQWE2	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQEC	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNS	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNG	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNH	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNM	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNO	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNK	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IGCFD10D	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQEW	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQES	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQCA	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQXC	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNX	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQFW	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDIAA	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQFE20	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQFE10	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDNTR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQXB	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDNLT	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQDA	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQWO	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNQ	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDIAB	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQWB2	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQOA	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQFE30	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQND	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQNF	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEDQGQ	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IGFC70	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IGFC80	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IGFC60	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IGFCIC	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IKJEFF18	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IKJEFF53	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IKJEFT25	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IKJEFF19	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEAVMWTL	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEAVTMSI	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEAXPDXR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEAXPSIM	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEAXPALL	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEAVVINT	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IQADVM00	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEECVGC1	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFFANA	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	ANLZ	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED

IEB152I	IFFCAN03	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IGG019OK	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFFCAN01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFFCAN02	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX00	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	ASMBLR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEUASM	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX02	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX03	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX05	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX06	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX07	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX11	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX21	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX31	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX41	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX42	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX51	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX61	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IFOX62	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	HEWLOADR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	HEWLOAD	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEWLOAD	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEWLOADR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IGG0CLA0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCAMS	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCSATO	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRI01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCIO04	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRI04	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRIKT	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCDB01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCDB02	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCAL01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRP01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCDE01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCDL01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCLC01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCMP01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCPM01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCPR01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCXP01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCVY01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCC01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDACAT21	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDAL	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDRP	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDDE	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDDL	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDLC	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDMP	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDPM	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED

IEB152I	IDCCDPR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDXP	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDVY	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDCC	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRILT	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSAL0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSDE0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSDL0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSEX0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSIO0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSLC0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSLC1	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSMPO	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSPR0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSRI0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSRI1	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSSA0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSTP0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSTP1	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSTP6	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSUV0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSXP0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSCC0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDCK	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCK01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSCK0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDBI	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCBI01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSBI0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDLR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCLR01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSLR0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSLR1	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDRC	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRC01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTSRC0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDRM	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRM01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCCDRS	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCRS01	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IDCTRSR0	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDASDR	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDASDS	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDPRNT	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDMSGB	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDSCAN	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDREST	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDDUMP	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDAOUT	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDANAL	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDVTOC	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDLABL	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED
IEB152I	IEHDGETA	COMPRESSED	-	WAS	ALREADY	IN	PLACE	AND	NOT	MOVED

IEB152I IEBDGMSG COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ICKDSF COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ILROPS00 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ILRPREAD COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ILRPGEXP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEPGEXP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ILRFMT00 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ILRTMI00 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEHLIST COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEHPROGM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFHSTATR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEHINITT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEHPRNT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEHSCAN COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEBEDIT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEBIMAGE COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRDMP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HMDPRDMP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IMDPRDMP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRFSR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRSCN COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDPRXED COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDSALDR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMDSAPGE COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AHLGTF COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HHLGTF COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IHLGTF COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AHLWTASK COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AHLTMON COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AHLIWBIT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AHLCWBIT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AHLWWRIT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HMASMP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HMASMUXD COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AMBLIST COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HMBLIST COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IMBLIST COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ICHSEC00 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAVMASV COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAVTPUT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAVMQR0 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFDCP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFDDP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFDHP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFDPP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFDWP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFICP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFIDV COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFINP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFIPG COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFIWK COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFMFC COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFTRM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED

IEB152I IRBMFRGM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFALL COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFCNV COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFRCR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFRWR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFRHR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFRPR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFRDR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFMPR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFDTP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFDSP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFRSR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFITR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFRTR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFISP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAVTFSD COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAVTFRD COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAVTFMT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTEED COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTESA COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTFRR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTIHS COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTRTC COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTRT2 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTSCB COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAFTSDW COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEAVTFRT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IECDAFMT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IECIOFMT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEMPDEV COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINM01 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINCR4 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINCR6 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINCY0 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINC05 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINCXI COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINCRP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINCXM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ISTINC32 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKTCAS00 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKTCAS20 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKTCAS30 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I BNGLOGER COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I BNGTDISP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I BNGT3270 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I BNGTLOCL COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I BNGTRMOT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I BNGTMENU COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I BNGTQEMF COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEMB820 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEMB803 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEVIPL COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEMB860 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED

IEB152I IFASMFDP COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEESB601 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEFJSSNT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEFEB400 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IE ECB806 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEMB878 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEMB814 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I ACCOUNT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFA30 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFA40 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFA10 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFA20 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJRBB CR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJRBBU0 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UADSREFM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEEVSEND COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEES40 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEES73 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFXSR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEFBR14 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF50 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF55 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF57 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJCT469 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJCT467 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF04 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF03 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF15 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT00 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT03 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT04 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT07 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT14 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT15 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT17 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT31 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT32 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT33 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT38 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT50 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT53 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT49 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT57 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT61 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT62 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT67 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT73 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT74 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT98 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT99 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFDOLT58 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFCEPARM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED


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IEB152I IFCSI331 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFCSI341 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFCE0880 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFCS0880 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPBLKS COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPFMT0 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPFMT1 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPFMT2 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPFMT3 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPFMT4 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPFMT5 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF51 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HEWLF064 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HEWL      COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEWL      COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEWLF128 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEWLF440 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IEWLF880 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I LINKEDIT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I MSTRJCL  COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKTCAS40 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFOX04   COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKTCAS51 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IRBMFIHA COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IKJEFF10 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFCDIP00 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFCEREP1 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I IFCOFFLD COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB167I FOLLOWING MEMBER(S) COPIED FROM INPUT DATA SET REFERENCED BY LINKLIB -
IEB154I ACCOUNT HAS BEEN SUCCESSFULLY COPIED
IEB154I AHLCWRTI HAS BEEN SUCCESSFULLY COPIED
IEB154I AHLGTF   HAS BEEN SUCCESSFULLY COPIED
IEB154I AHLIWRTI HAS BEEN SUCCESSFULLY COPIED
IEB154I AHLTMON  HAS BEEN SUCCESSFULLY COPIED
IEB154I AHLWTASK HAS BEEN SUCCESSFULLY COPIED
IEB154I AHLWWRTI HAS BEEN SUCCESSFULLY COPIED
IEB154I AMAPTFLE HAS BEEN SUCCESSFULLY COPIED
IEB154I AMAPTF01 HAS BEEN SUCCESSFULLY COPIED
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IEB154I AMASPZAP HAS BEEN SUCCESSFULLY COPIED
IEB154I AMBLIST  HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRCVT HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRDMP HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRDPS HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRECT HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRFAR HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRFDS HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRFSR HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRFUB HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRFXT HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRGCD HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRL0D HAS BEEN SUCCESSFULLY COPIED
IEB154I AMDPRLPA HAS BEEN SUCCESSFULLY COPIED
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IEB154I	AMDPRQCB	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	IEHDAOUT	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	IEHPROGM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEHSCAN	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEUASM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEWL	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEWLDRGO	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEWLF128	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEWLF440	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEWLF880	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEWLOAD	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IEWLOADR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFASMFDP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCCRNR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCDIP00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEAEXX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEARG1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEARG2	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEARG3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEARG4	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEARG5	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEARG6	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEARG7	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEAXXX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEA155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEA158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEA165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEA168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEB155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEB158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEB165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEB168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCECHAR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCECUT0	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEC155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEC158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEC165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEC168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEDDR0	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEDPA	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEDSUM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCED155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCED158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCED165	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCED168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEEOD	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEE155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEE158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEE165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEE168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEFBA4	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEFBA5	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEF155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEF158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEF165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEF168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEGUS1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEG155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEG158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEIPL	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI081	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI115	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI125	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI135	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI138	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI145	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI148	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI331	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEI341	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEJ145	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCELEX1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEL155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEL158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMAD1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMER0	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMER1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMER2	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMER3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMER4	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMER5	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEMIH0	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEM155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEM158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCENFH3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCENFM3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCENFP1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCENFP2	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCENF11	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEOAK1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEOAK2	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEOAK3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEOAK4	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEOAK5	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEPARM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEREP1	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCERFMT	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCESOFT	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN0	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN2	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN4	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN5	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN6	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN7	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETRN8	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCETUL1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET00B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET00C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET00D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET00E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET005	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET006	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET008	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET010	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET012	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET013	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET014	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET015	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET017	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET018	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCET040	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEUCCH	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEUCPU	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEUKNO	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEUOBR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEUTYP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEVENT	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEWHT1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEWIN1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEWIN2	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEWOD1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEXXXF	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEXXXG	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEXXXH	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCEXXXX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0115	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0125	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0135	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0138	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0145	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0148	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0165	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCE0168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE080A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE080B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE080C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE080D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE080E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0801	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0802	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0803	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0804	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0805	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0806	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0808	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0809	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE081A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE081B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE081C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE081D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE081E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE081F	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0810	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0816	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0817	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0818	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0819	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0820	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0821	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0822	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0823	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0830	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0831	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0832	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE084C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0842	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0844	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0880	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE0882	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE100A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE100B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE100C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE100D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE100E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE100F	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1005	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1006	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1007	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1008	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1009	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE1445	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCE200A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE200B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE200C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE200D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE200E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2005	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2006	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2007	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2008	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2009	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2101	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2102	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2245	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2860	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2870	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE2880	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE3062	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE3081	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE33XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE3330	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE4001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE4002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE4003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE4004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE4331	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE4341	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE8001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE8003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCE8006	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCFILT1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCFILT2	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCFILT3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCFILT4	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCFRAME	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCFRAMS	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCNFPDR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCOFFLD	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCPARM1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCRDESM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCRDEX3	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCRFLO1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCRT017	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCR2102	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSAEXX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSAXXX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSCHAR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSCRXX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSDICH	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSEOD	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCSGUS1	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSIPL	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI081	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI115	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI125	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI135	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI138	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI145	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI148	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI331	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSI341	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSSOFT	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST00B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST00C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST00D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST00E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST005	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST006	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST008	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST012	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST013	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST014	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST015	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST017	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCST018	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSUCCH	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSUCPU	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSUKNO	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSUOBR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSUTYP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSXXXF	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSXXXG	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSXXXH	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSXXXX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSYMCD	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCSYSUM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0115	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0125	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0135	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0138	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0145	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0148	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0155	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0158	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0168	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS080A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS080B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS080C	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCS080D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS080E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0801	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0802	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0803	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0804	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0805	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0806	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0808	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0809	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS081A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS081B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS081C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS081D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS081E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS081F	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0810	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0816	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0817	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0818	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0819	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0820	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0821	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0822	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0823	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0830	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0831	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0832	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS084C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0842	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0844	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0880	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS0882	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS100A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS100B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS100C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS100D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS100E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS100F	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1005	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1006	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1007	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1008	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1009	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS1445	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS200A	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS200B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS200C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS200D	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCS200E	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2005	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2006	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2007	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2008	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2009	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2101	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2102	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2245	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2860	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2870	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS2880	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS3031	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS3032	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS3033	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS3062	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS3081	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS33XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS4001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS4002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS4003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS4004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS4331	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS4341	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS8001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCS8003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTABLE	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTA1XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTA105	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTA2XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTA201	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTA3XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTA301	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB1XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB105	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB2XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB205	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB3XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB305	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB4XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTB405	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC1XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC104	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC2XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC20B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC20C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC201	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC202	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC205	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFCTC207	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC3XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC30B	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC30C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC301	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC302	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC305	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC307	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC4XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC40C	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC401	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTC402	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTHRSH	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCTREND	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT11XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT1107	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT12XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT1204	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT13XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT1307	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT21XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT2104	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT22XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT2204	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT23XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT2305	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT31XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT3102	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT32XX	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFCT3204	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT03	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT04	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT07	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT14	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT15	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT17	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT31	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT32	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT33	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT38	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT49	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT50	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT53	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT57	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT58	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT61	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT62	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT67	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT73	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT74	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFDOLT98	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IFDOLT99	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFFANA	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFFCAN01	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFFCAN02	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFFCAN03	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFHSTATR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX01	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX02	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX03	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX04	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX05	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX06	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX07	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX11	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX21	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX31	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX41	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX42	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX51	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX61	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IFOX62	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IGCFD10D	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IGFCIC	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IGFC60	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IGFC70	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IGFC80	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IGG0CLA0	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IGG019OK	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IHLGTF	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJCT467	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJCT469	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEES40	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEES73	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFA10	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFA20	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFA30	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFA40	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF03	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF04	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF10	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF15	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF18	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF19	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF50	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF51	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF53	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF55	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFF57	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFT25	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJEFXSR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJRBBKR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKJRBBU0	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	IKTCAS00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKTCAS20	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKTCAS30	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKTCAS40	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IKTCAS51	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ILRFMT00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ILROPS00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ILRPGEXP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ILRPREAD	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ILRTMI00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IMAPTFLE	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IMASPZAP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IMBLIST	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IMDPRDMP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IQADVM00	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFALL	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFCNV	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFDCP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFDDP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFDHP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFDPP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFDSP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFDTP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFDWP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFICP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFIDV	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFIHA	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFINP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFIPG	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFISP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFITR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFIWK	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFMFC	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFMPR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRCR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRDR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRGM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRHR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRPR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRSR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRTR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFRWR	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	IRBMFTRM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINCRP	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINCR4	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINCR6	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINCXI	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINCXM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINCY0	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINC05	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINC32	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	ISTINM01	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	LINKEDIT	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I LOADER HAS BEEN SUCCESSFULLY COPIED
IEB154I MSTRJCL HAS BEEN SUCCESSFULLY COPIED
IEB154I UADSREFM HAS BEEN SUCCESSFULLY COPIED
IEB144I THERE ARE 0000163 UNUSED TRACKS IN OUTPUT DATA SET REFERENCED BY LINKLIB
IEB149I THERE ARE 0000167 UNUSED DIRECTORY BLOCKS IN OUTPUT DIRECTORY
IEB147I END OF JOB -00 WAS HIGHEST SEVERITY CODE

COPY OUTDD=SMPSTS,INDD=SMPSTS

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IEB161I COMPRESS TO BE DONE USING INDD NAMED SMPSTS
IEB152I HASPCON COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPMISC COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPNUC COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPRTAM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPACCT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPRDR COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPXEQ COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPINIT COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPSSSM COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I HASPPRPU COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB167I FOLLOWING MEMBER(S) COPIED FROM INPUT DATA SET REFERENCED BY SMPSTS -
IEB154I HASPACCT HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPCOMM HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPCON HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPINIT HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPMISC HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPNUC HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPPRPU HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPRDR HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPRTAM HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPSSSM HAS BEEN SUCCESSFULLY COPIED
IEB154I HASPXEQ HAS BEEN SUCCESSFULLY COPIED
IEB144I THERE ARE 0000359 UNUSED TRACKS IN OUTPUT DATA SET REFERENCED BY SMPSTS
IEB149I THERE ARE 0000074 UNUSED DIRECTORY BLOCKS IN OUTPUT DIRECTORY
IEB147I END OF JOB -00 WAS HIGHEST SEVERITY CODE
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IEB152I UZ54484 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ56250 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ44753 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY01301 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY02859 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ42622 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ45157 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ45158 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ57919 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ67391 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY13810 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ57385 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ62088 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ67122 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ68882 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ71054 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY16532 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY29953 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ47575 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ44177 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ47871 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ48384 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ48765 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ82014 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ82941 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ83396 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ83530 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY01186 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY02947 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY07104 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY13091 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY17021 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UY17588 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ48744 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ56445 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ68196 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ56759 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ61346 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ61349 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ61367 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ69717 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ75398 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ48373 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ57911 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ60375 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ63374 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ65742 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ68537 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ71437 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ76165 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ77164 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I UZ79531 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED
IEB152I AY12275 COMPRESSED - WAS ALREADY IN PLACE AND NOT MOVED

IEB154I	SYSTEM	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	AY12275	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	JLM0001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	JLM0002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	JLM0003	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	JLM0004	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	MS00100	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	SLB0002	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	SYZJ201	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	SYZJ202	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	SYZM001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	TIST801	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	TJES801	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	TMVS804	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	TMVS816	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	TMVS817	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	TTSO801	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR03386	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR03387	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR03815	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR04540	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR04551	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR04732	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR05251	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR05372	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR05565	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR05840	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR06299	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR06709	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR08050	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR08356	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR09316	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR10931	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR12812	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR13349	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR15994	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR17644	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UR19590	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UW00219	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UW06722	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UW36560	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00293	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00351	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00372	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00729	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00870	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00891	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00923	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00943	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY00999	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY01018	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY01186	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY01301	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	UY01743	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY01975	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02053	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02270	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02271	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02385	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02818	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02859	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY02947	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY03022	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY03099	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY03106	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY03187	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY03283	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY03346	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY03471	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY04130	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY04357	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY04554	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY04837	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY04882	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY04898	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY04929	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY05101	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY05119	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY05260	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY06435	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY06583	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY06637	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY06697	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY07083	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY07104	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY07264	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY07637	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY07656	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY07976	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY08176	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY08595	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY08628	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY08801	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY08805	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY09172	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY09531	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY09721	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY09804	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY09934	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY10163	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY10354	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY10582	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY10657	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY11425	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY11554	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY11601	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY11736	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY11756	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY11778	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY11838	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY11943	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY12210	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY12602	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY12664	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY12811	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY13091	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY13425	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY14400	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY14769	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY15207	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY16532	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY17319	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY17414	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY20282	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY20325	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY21852	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY22281	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY24908	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY24918	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY27102	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY27599	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY28299	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY28452	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY29952	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY38165	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY38518	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY38623	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY38888	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY39539	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY39686	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY40025	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UY43678	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY46717	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UY61527	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ38355	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ38392	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ38395	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ39582	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ39679	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ40049	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ40222	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ41148	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ41764	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ44753	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ44831	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ47123	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ47187	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ47438	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ47740	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ47802	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ49850	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ49895	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ49959	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ49996	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50033	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50178	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50248	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50293	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50509	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50553	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50819	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ50839	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51075	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51149	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51194	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51239	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51345	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51349	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51405	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ51423	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ53837	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ54155	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ63531	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ64168	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ64255	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ70500	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70546	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70578	HAS	BEEN	SUCCESSFULLY	COPIED

IEB154I	UZ70581	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70617	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ70674	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ70696	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70698	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70771	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70782	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70790	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70803	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70815	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70837	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70855	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70880	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ70964	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ70969	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ71001	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ71035	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ73147	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ74658	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ82287	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ82327	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ83118	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ84183	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ84209	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ84624	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UZ90255	HAS	BEEN	SUCCESSFULLY	COPIED
IEB154I	UZ90283	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	ZUM0007	HAS	BEEN	SUCCESSFULLY	COPIED
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IEB154I	UR04551	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UR05251	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UR06299	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY03106	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY04929	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY10582	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY11838	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UY11943	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY12664	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY13091	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UY13425	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY13573	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY13882	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UY14400	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UY14769	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY15787	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UY17712	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UZ69616	HAS BEEN SUCCESSFULLY COPIED
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IEB154I	UZ80304	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ80347	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ80701	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ80853	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ80862	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ80926	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ80992	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81089	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81096	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81148	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81213	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81247	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81304	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81419	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81433	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81657	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81679	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ81940	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82014	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82287	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82327	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82534	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82566	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82868	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82941	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ82964	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83118	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83139	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83150	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83370	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83396	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83408	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83530	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ83913	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ84183	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ84209	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ84276	HAS BEEN SUCCESSFULLY COPIED
IEB154I	UZ84329	HAS BEEN SUCCESSFULLY COPIED

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IEB154I UZ84429 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84430 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84432 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84450 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84553 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84624 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84632 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84652 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ84866 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ90202 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ90251 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ90255 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ90283 HAS BEEN SUCCESSFULLY COPIED
IEB154I UZ90390 HAS BEEN SUCCESSFULLY COPIED
IEB154I VS49603 HAS BEEN SUCCESSFULLY COPIED
IEB154I WM00017 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60001 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60002 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60003 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60004 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60005 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60006 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60007 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60008 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60009 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60011 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60012 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60013 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60014 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60015 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60016 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60017 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60018 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60019 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60020 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60021 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60022 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60026 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60027 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60028 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60029 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60030 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60031 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60032 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60033 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60034 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60035 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60036 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60037 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZP60038 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZUM0007 HAS BEEN SUCCESSFULLY COPIED
IEB154I ZUM0008 HAS BEEN SUCCESSFULLY COPIED
IEB144I THERE ARE 0000478 UNUSED TRACKS IN OUTPUT DATA SET REFERENCED BY SMPPTS
```

IEB149I THERE ARE 0003707 UNUSED DIRECTORY BLOCKS IN OUTPUT DIRECTORY
IEB147I END OF JOB -00 WAS HIGHEST SEVERITY CODE

F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED SIZE=(500K,80K),NCAL,LIST,LET,XREF

VARIABLE OPTIONS USED - SIZE=(481280,73728)

IEW0000	ORDER HASPNUC	00000100
IEW0000	ORDER HASPRDR	00000200
IEW0000	ORDER HASPRDRO	00000300
IEW0000	ORDER HASPRSCN	00000400
IEW0000	ORDER HASPXEQ	00000500
IEW0000	ORDER HASPPRPU	00000600
IEW0000	ORDER HASPACCT	00000700
IEW0000	ORDER HASPMISC	00000800
IEW0000	ORDER HASPCON	00000900
IEW0000	ORDER HASPRTAM	00001000
IEW0000	ORDER HASPCOMM	00001100
IEW0000	ORDER HASPCOMA	00001200
IEW0000	ORDER HASPINIT(P)	00001300
IEW0000	PAGE HASPINIT	00001400
IEW0000	INCLUDE SMPWRK3(HASPCOMM)	WM00017
IEW0000	INCLUDE LINKLIB(HASJES20)	
IEW0000	NAME HASJES20(R)	

CROSS REFERENCE TABLE

CONTROL SECTION

ENTRY

NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
HASPNUC	00	5504	HASP	00	\$EXCPR	89C	\$QINDEX	FFE	\$RESERVE	10FE
			\$RELEASE	1134	\$XMPOSTR	1158	\$PGRLSER	11B0	\$PGFREER	11C8
			\$PGFIXR	11E0	\$TRACKR	1278	\$GETBUFR	1400	\$FREEBFR	1630
			\$BFRBLDR	1768	\$GETCELR	1856	\$FRECELR	189C	\$GETLOKR	18B2
			\$FRELOKR	18DC	HASPATTN	190C	\$IOAPPEN	19D4	\$ASYNC	1FA0
			\$TIMER	22D0	\$STIMER	22FC	\$TTIMER	2382	\$#BLD	24F8
			\$#ADD	25D8	\$#GET	2778	\$#PUT	2A40	\$#REM	2B18
			\$#CAN	2BA0	\$JOECKPR	2E24	\$JOEOFF	2E2C	\$#WTR	2E6A
			\$#JCTRDR	2F04	\$#JCTWTR	30B0	\$#JCTFRE	3160	\$SWTOR	31D2
			\$DYN	3278	\$DSTERR	3598	\$IOERRTN	3638	\$ERRORTN	3834
			\$ABEND	3852	\$ERRORSA	4378	\$HEXIT	4418	\$ERCODET	4990
			\$PCENAMT	5008	HASPINGO	50C0	\$REPTABL	52A0	HOSALLOC	53C8
HASPRDR	5508	1520								
HASPRDRO	6A28	1EE8	\$RDREND	6A28	HASPRDRI	6A28	HASPRDRT	6B98	HASPRCCS	6C18
			HASPRDDS	7718	HASPRJCS	7AB0	\$RDROEND	8870		
HASPRSCN	8910	48D								
HASPXEQ	8DA0	406D								
			HASPCNVT	8DB0	HOSCNVT	94E8	HASPEXEC	9D78	HASPHOLD	B538
			HASPTIME	B8D0	HASPPSO	B9D8	HASPLIST	CC98		
HASPPRPU	CE10	871D								
			HASPHOPE	CE20	HASPPPI1	D860	HASPIMAG	150B8		
HASPACCT	15530	16D								
HASPMISC	156A0	3B9D								
			HASPVPRG	156B0	HASPCCKPT	15990	HASPGPRC	17130	HASPWARM	17280
			HOSPOOL	189D0						

NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
HASPCON	19240	97D								
			\$WTOR	1927E	HASPWQUE	19510	\$WTOCR	195B4	\$GETCMBR	196F8
			\$DOMR	1978E	\$FRECMBR	197E2	\$HASPWTO	19864		
HASPR TAM	19BC0	8E15								
			HASPEXTP	19BF8	MWRSPCCW	1B358	HASPM LLM	1E730	HASPMCON	21B90
			HASPV TAM	22320						
HASPCOMM	229D8	1FB8								
			\$JCANR	24620						
HASPCOMA	24990	674D								
			\$COMMEND	24990						
HASPINIT	2C000	ABF5								

LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION
38		\$JCANR	HASPCOMM	A4		\$WTOR	HASPCON
A8		\$WTOCR	HASPCON	B0		\$DOMR	HASPCON
B4		\$GETCMBR	HASPCON	B8		\$FRECMBR	HASPCON
C8		HASPEXTP	HASPR TAM	468		HASPCOMM	HASPCOMM
46C		HASPPSO	HASPXEQ	470		HASPEXEC	HASPXEQ
474		HASPCNVT	HASPXEQ	47C		HASPTIME	HASPXEQ
488		HASPM LLM	HASPR TAM	48C		HASPMCON	HASPR TAM
490		HASPHOPE	HASPPRPU	494		HASPHOLD	HASPXEQ
498		HASPVPRG	HASPMISC	49C		HASPWARM	HASPMISC
4A0		HASPCKPT	HASPMISC	4A4		HASPGPRC	HASPMISC
52CC		HASPCOMM	HASPCOMM	52D8		HASPCOMM	HASPCOMM
52B8		HASPACCT	HASPACCT	52C8		HASPCOMA	HASPCOMA
52E8		HASPCON	HASPCON	52F8		HASPINIT	HASPINIT
5308		HASPMISC	HASPMISC	5328		HASPPRPU	HASPPRPU
5358		HASPRSCN	HASPRSCN	5368		HASPR TAM	HASPR TAM
5398		HASPXEQ	HASPXEQ	53A0		HASPPPI1	HASPPRPU
53A4		HOSPOOL	HASPMISC	53A8		\$HASPWTO	HASPCON
53AC		HASPIMAG	HASPPRPU	53B4		HASPV TAM	HASPR TAM
52CC		\$COMMEND	HASPCOMM	534C		\$RDREND	HASPRDR
535C		\$RDREND	HASPRDR	535C		\$RDROEND	HASPRDRO
5338		HASPRDR	HASPRDR	534C		HASPRDR	HASPRDR
535C		HASPRDR	HASPRDR	5348		HASPRDRO	HASPRDRO
535C		HASPRDRO	HASPRDRO	6610		HASPRDRO	HASPRDRO
6634		HASPRDRO	HASPRDRO	6638		HASPRDRO	HASPRDRO
6614		HASPRDRI	HASPRDRO	661C		HASPRCCS	HASPRDRO
6624		HASPRDDS	HASPRDRO	662C		HASPRJCS	HASPRDRO
6630		HASPRDRT	HASPRDRO	6648		HASPRSCN	HASPRSCN
94D4		\$QINDEX	HASPNUC	B4E8		\$QINDEX	HASPNUC
9D54		HASP	HASPNUC	B4F8		HASPRJCS	HASPRDRO
B4FC		HASPRDR	HASPRDR	C488		\$QINDEX	HASPNUC
D734		\$QINDEX	HASPNUC	15500		HASP	HASPNUC
16B48		\$#WTR	HASPNUC	189AC		\$QINDEX	HASPNUC
18FC0		HASPNUC	HASPNUC	229B8		HASPNUC	HASPNUC
22BA4		\$HEXIT	HASPNUC	234A0		HASPCOMA	HASPCOMA
234AC		HASPCOMA	HASPCOMA	25C18		HASPCOMM	HASPCOMM
25C24		HASPCOMM	HASPCOMM	264D0		HASPCOMM	HASPCOMM

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
264D4	HASPCOMM	HASPCOMM
270E0	HASPCOMM	HASPCOMM
27420	HASPCOMM	HASPCOMM
278F0	HASPCOMM	HASPCOMM
27CE0	HASPCOMM	HASPCOMM
28BFC	HASPCOMM	HASPCOMM
297F8	HASPCOMM	HASPCOMM
2B034	HASPCOMM	HASPCOMM
25C20	\$QINDEX	HASPNUC

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
270D8	HASPCOMM	HASPCOMM
270F0	HASPCOMM	HASPCOMM
27428	HASPCOMM	HASPCOMM
27900	HASPCOMM	HASPCOMM
28BF0	HASPCOMM	HASPCOMM
28C00	HASPCOMM	HASPCOMM
2A714	HASPCOMM	HASPCOMM
2B044	HASPCOMM	HASPCOMM
27108	HASPLIST	HASPXEQ

ENTRY ADDRESS 00

TOTAL LENGTH 36BF8

***HASJES20 NOW REPLACED IN DATA SET

AUTHORIZATION CODE IS 0.

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./      CHANGE NAME=HASPCOMM
*      TO BE INSERTED BETWEEN $DO AND $DQ ENTRIES ***** BNSW K1689600 *      REPLACED*
*      TO BE INSERTED BETWEEN $DO AND $DQ ENTRIES ***** BNSW K1689600 *      REPLACEMENT*
      $COMTAB DP,BNSWCMD          $DP DISPLAY OUTPUT QUEUE(S) * BNSW K1689700 *      REPLACED*
      $COMTAB DP,BNSWCMD          $DP DISPLAY OUTPUT QUEUE(S) * BNSW K1689700 *      REPLACEMENT*
*      ***** BNSW K1689800 *      REPLACED*
*      ***** BNSW K1689800 *      REPLACEMENT*
COMTBLU $COMTAB U7D,BNSWCMD,REJECT=COMR+COMJ $U'JOBNAME' * BNSW K1720600 *      REPLACED*
COMTBLU $COMTAB U7D,BNSWCMD,REJECT=COMR+COMJ $U'JOBNAME' * BNSW K1720600 *      REPLACEMENT*
      $COMTAB UJ,BNSWCMD,REJECT=COMR+COMJ $UJ * CHANGE * BNSW K1720602 *      REPLACED*
      $COMTAB UJ,BNSWCMD,REJECT=COMR+COMJ $UJ * CHANGE * BNSW K1720602 *      REPLACEMENT*
      $COMTAB US,BNSWCMD,REJECT=COMR+COMJ $US * SYSOUT * BNSW K1720604 *      REPLACED*
      $COMTAB US,BNSWCMD,REJECT=COMR+COMJ $US * SYSOUT * BNSW K1720604 *      REPLACEMENT*
      $COMTAB UT,BNSWCMD,REJECT=COMR+COMJ $UT * CLASS. * BNSW K1720606 *      REPLACED*
      $COMTAB UT,BNSWCMD,REJECT=COMR+COMJ $UT * CLASS. * BNSW K1720606 *      REPLACEMENT*
***** BNSW K1720608 *      REPLACED*
***** BNSW K1720608 *      REPLACEMENT*
***** ENTRY FOR 'U' COMMANDS ***** BNSW K1733250 *      REPLACED*
***** ENTRY FOR 'U' COMMANDS ***** BNSW K1733250 *      REPLACEMENT*
      DC C'U',AL3(COMTBLU) $U - CHANGE OUTPUT CLASS * BNSW K1733252 *      REPLACED*
      DC C'U',AL3(COMTBLU) $U - CHANGE OUTPUT CLASS * BNSW K1733252 *      REPLACEMENT*
***** BNSW K1733254 *      REPLACED*
***** BNSW K1733254 *      REPLACEMENT*
      TITLE ' HASP COMMAND PROCESSOR BNSWCMD - $DP *** BNSW *** ' BNSW K2577550 *      REPLACED*
      TITLE ' HASP COMMAND PROCESSOR BNSWCMD - $DP *** BNSW *** ' BNSW K2577550 *      REPLACEMENT*
      PUSH USING BNSW K2577551 *      REPLACED*
      PUSH USING BNSW K2577551 *      REPLACEMENT*
BNSWCMD $COMGRUP DP,U7D,UJ,US,UT,DELAY=NO ADDED COMMANDS BNSW K2577552 *      REPLACED*
BNSWCMD $COMGRUP DP,U7D,UJ,US,UT,DELAY=NO ADDED COMMANDS BNSW K2577552 *      REPLACEMENT*
CDP EQU * DISPLAY OUTPUT QUEUES (FOR A BNSW K2577553 *      REPLACED*
CDP EQU * DISPLAY OUTPUT QUEUES (FOR A BNSW K2577553 *      REPLACEMENT*
* PARTICULAR CLASS IF REQUESTED) BNSW K2577554 *      REPLACED*
* PARTICULAR CLASS IF REQUESTED) BNSW K2577554 *      REPLACEMENT*
      SPACE 2 BNSW K2577555 *      REPLACED*
      SPACE 2 BNSW K2577555 *      REPLACEMENT*
***** BNSW K2577556 *      REPLACED*
***** BNSW K2577556 *      REPLACEMENT*
* * BNSW K2577557 *      REPLACED*
* * BNSW K2577557 *      REPLACEMENT*
* $DP OR $DPX X=CLASS TO BE DISPLAYED, DEFAULT ALL * BNSW K2577558 *      REPLACED*
* $DP OR $DPX X=CLASS TO BE DISPLAYED, DEFAULT ALL * BNSW K2577558 *      REPLACEMENT*
* * BNSW K2577559 *      REPLACED*
* * BNSW K2577559 *      REPLACEMENT*
***** BNSW K2577560 *      REPLACED*
***** BNSW K2577560 *      REPLACEMENT*
      SPACE 2 BNSW K2577561 *      REPLACED*
      SPACE 2 BNSW K2577561 *      REPLACEMENT*
      USING JOEDSECT,R1 BNSW K2577562 *      REPLACED*
      USING JOEDSECT,R1 BNSW K2577562 *      REPLACEMENT*
      SPACE 1 BNSW K2577563 *      REPLACED*
      SPACE 1 BNSW K2577563 *      REPLACEMENT*
      L R1,0(,WD) A(1ST OPERAND) I.E. 'P' BNSW K2577564 *      REPLACED*

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	L	R1,0(,WD)	A(1ST OPERAND) I.E. 'P'	BNSW K2577564	*	REPLACEMENT*
	SR	WB,WB	CLASS INDEX - 0=ALL	BNSW K2577565	*	REPLACED*
	SR	WB,WB	CLASS INDEX - 0=ALL	BNSW K2577565	*	REPLACEMENT*
	CLI	1(R1),C' '	IF NO CLASS SPECIFIED	BNSW K2577566	*	REPLACED*
	CLI	1(R1),C' '	IF NO CLASS SPECIFIED	BNSW K2577566	*	REPLACEMENT*
	BE	CDPALLC	THEN DISPLAY ALL CLASSES	BNSW K2577567	*	REPLACED*
	BE	CDPALLC	THEN DISPLAY ALL CLASSES	BNSW K2577567	*	REPLACEMENT*
*			ELSE CHECK VALIDITY OF CLASS:	BNSW K2577568	*	REPLACED*
*			ELSE CHECK VALIDITY OF CLASS:	BNSW K2577568	*	REPLACEMENT*
	LA	R15,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW K2577569	*	REPLACED*
	LA	R15,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW K2577569	*	REPLACEMENT*
CDPFNCLS	LA	WB,1(,WB)	1=A , 2=B , ...	BNSW K2577570	*	REPLACED*
CDPFNCLS	LA	WB,1(,WB)	1=A , 2=B , ...	BNSW K2577570	*	REPLACEMENT*
	IC	WC,CDPCLSES-1(WB)	CLASS FROM LIST	BNSW K2577571	*	REPLACED*
	IC	WC,CDPCLSES-1(WB)	CLASS FROM LIST	BNSW K2577571	*	REPLACEMENT*
	CLM	WC,1,1(R1)	IF THIS IS THE CLASS	BNSW K2577572	*	REPLACED*
	CLM	WC,1,1(R1)	IF THIS IS THE CLASS	BNSW K2577572	*	REPLACEMENT*
	BE	CDPHAVCL	THEN GO FIND JOE'S	BNSW K2577573	*	REPLACED*
	BE	CDPHAVCL	THEN GO FIND JOE'S	BNSW K2577573	*	REPLACEMENT*
	BCT	R15,CDPFNCLS	ELSE CHECK AGAINST NEXT IN LIST	BNSW K2577574	*	REPLACED*
	BCT	R15,CDPFNCLS	ELSE CHECK AGAINST NEXT IN LIST	BNSW K2577574	*	REPLACEMENT*
	SPACE	1		BNSW K2577575	*	REPLACED*
	SPACE	1		BNSW K2577575	*	REPLACEMENT*
	\$CFINVO	OPERAND=(R1)	MSG 'INVALID OPERAND' + GET OUT	BNSW K2577576	*	REPLACED*
	\$CFINVO	OPERAND=(R1)	MSG 'INVALID OPERAND' + GET OUT	BNSW K2577576	*	REPLACEMENT*
	SPACE	1		BNSW K2577577	*	REPLACED*
	SPACE	1		BNSW K2577577	*	REPLACEMENT*
CDPCLSES	DC	C'ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789'	CLASS LIST	BNSW K2577578	*	REPLACED*
CDPCLSES	DC	C'ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789'	CLASS LIST	BNSW K2577578	*	REPLACEMENT*
	SPACE	1		BNSW K2577579	*	REPLACED*
	SPACE	1		BNSW K2577579	*	REPLACEMENT*
CDPHAVCL	DS	0H	RUN THRU CLASS QUEUE IN JOT	BNSW K2577580	*	REPLACED*
CDPHAVCL	DS	0H	RUN THRU CLASS QUEUE IN JOT	BNSW K2577580	*	REPLACEMENT*
	BAL	WC,CDPPRC	PROCESS SPECIFIED CLASS	BNSW K2577581	*	REPLACED*
	BAL	WC,CDPPRC	PROCESS SPECIFIED CLASS	BNSW K2577581	*	REPLACEMENT*
	B	CDPEND	AND GET OUT WITH FINAL MSG.	BNSW K2577582	*	REPLACED*
	B	CDPEND	AND GET OUT WITH FINAL MSG.	BNSW K2577582	*	REPLACEMENT*
	SPACE	2		BNSW K2577583	*	REPLACED*
	SPACE	2		BNSW K2577583	*	REPLACEMENT*
CDPALLC	LA	WB,1(,WB)	1ST/NEXT CLASS TO PROCESS	BNSW K2577584	*	REPLACED*
CDPALLC	LA	WB,1(,WB)	1ST/NEXT CLASS TO PROCESS	BNSW K2577584	*	REPLACEMENT*
	BAL	WC,CDPPRC	PROCESS A CLASS	BNSW K2577585	*	REPLACED*
	BAL	WC,CDPPRC	PROCESS A CLASS	BNSW K2577585	*	REPLACEMENT*
	LA	WC,L'CDPCLSES	NUMBER OF CLASSES	BNSW K2577586	*	REPLACED*
	LA	WC,L'CDPCLSES	NUMBER OF CLASSES	BNSW K2577586	*	REPLACEMENT*
	CR	WB,WC	IF NOT ON LAST ONE	BNSW K2577587	*	REPLACED*
	CR	WB,WC	IF NOT ON LAST ONE	BNSW K2577587	*	REPLACEMENT*
	BNE	CDPALLC	THEN DO NEXT CLASS	BNSW K2577588	*	REPLACED*
	BNE	CDPALLC	THEN DO NEXT CLASS	BNSW K2577588	*	REPLACEMENT*
	SPACE	1		BNSW K2577589	*	REPLACED*
	SPACE	1		BNSW K2577589	*	REPLACEMENT*
CDPEND	EQU	*	ALL DONE - SETUP FINAL MSG AND	BNSW K2577590	*	REPLACED*

CDPEND	EQU	*	ALL DONE - SETUP FINAL MSG AND	BNSW K2577590	*	REPLACEMENT*
*			GET OUT. CODE HERE IS EXACTLY	BNSW K2577591	*	REPLACED*
*			GET OUT. CODE HERE IS EXACTLY	BNSW K2577591	*	REPLACEMENT*
*			THE SAME AS AT 'CDQEND'	BNSW K2577592	*	REPLACED*
*			THE SAME AS AT 'CDQEND'	BNSW K2577592	*	REPLACEMENT*
	L	R15,\$SSVT	A(SSVT)	BNSW K2577593	*	REPLACED*
	L	R15,\$SSVT	A(SSVT)	BNSW K2577593	*	REPLACEMENT*
	L	R1,\$SVTGALC-SSVT(,R15)	GROUPS ALLOCATED	BNSW K2577594	*	REPLACED*
	L	R1,\$SVTGALC-SSVT(,R15)	GROUPS ALLOCATED	BNSW K2577594	*	REPLACEMENT*
	M	R0,=F'100'	CALCULATE	BNSW K2577595	*	REPLACED*
	M	R0,=F'100'	CALCULATE	BNSW K2577595	*	REPLACEMENT*
	D	R0,\$SVTGTOT-SSVT(,R15)	PERCENTAGE	BNSW K2577596	*	REPLACED*
	D	R0,\$SVTGTOT-SSVT(,R15)	PERCENTAGE	BNSW K2577596	*	REPLACEMENT*
		\$CFCVE VALUE=(R1)	MAKE PRINTABLE	BNSW K2577597	*	REPLACED*
		\$CFCVE VALUE=(R1)	MAKE PRINTABLE	BNSW K2577597	*	REPLACEMENT*
	MVC	COMMAND(3),COMDWORK+2	INTO MSG	BNSW K2577598	*	REPLACED*
	MVC	COMMAND(3),COMDWORK+2	INTO MSG	BNSW K2577598	*	REPLACEMENT*
	MVC	COMMAND+3(26),=C' PERCENT SPOOL UTILIZATION'		BNSW K2577599	*	REPLACED*
	MVC	COMMAND+3(26),=C' PERCENT SPOOL UTILIZATION'		BNSW K2577599	*	REPLACEMENT*
	\$CRET	L=29	GET OUT AND ISSUE MSG	BNSW K2577600	*	REPLACED*
	\$CRET	L=29	GET OUT AND ISSUE MSG	BNSW K2577600	*	REPLACEMENT*
	SPACE	3		BNSW K2577601	*	REPLACED*
	SPACE	3		BNSW K2577601	*	REPLACEMENT*
CDPPRC	DS	0H	PROCESS CLASS INDICATED BY WB	BNSW K2577602	*	REPLACED*
CDPPRC	DS	0H	PROCESS CLASS INDICATED BY WB	BNSW K2577602	*	REPLACEMENT*
	ST	WC,COMWREGS+12	KEEP RETURN ADDR	BNSW K2577603	*	REPLACED*
	ST	WC,COMWREGS+12	KEEP RETURN ADDR	BNSW K2577603	*	REPLACEMENT*
	IC	R1,CDPCLSES-1(WB)	GET CHAR FOR CLASS	BNSW K2577604	*	REPLACED*
	IC	R1,CDPCLSES-1(WB)	GET CHAR FOR CLASS	BNSW K2577604	*	REPLACEMENT*
	STC	R1,COMWREGS+4	AND KEEP IT	BNSW K2577605	*	REPLACED*
	STC	R1,COMWREGS+4	AND KEEP IT	BNSW K2577605	*	REPLACEMENT*
	LA	R1,0(WB,WB)	2,4,6,...	BNSW K2577606	*	REPLACED*
	LA	R1,0(WB,WB)	2,4,6,...	BNSW K2577606	*	REPLACEMENT*
	LA	R1,(JOTCLSQ-JOTDSECT)-(JOENEXT-JOEDSECT+2)(R1)	DISP	BNSW K2577607	*	REPLACED*
	LA	R1,(JOTCLSQ-JOTDSECT)-(JOENEXT-JOEDSECT+2)(R1)	DISP	BNSW K2577607	*	REPLACEMENT*
	AL	R1,\$JOTABLE	ACTUAL ADDR TO START	BNSW K2577608	*	REPLACED*
	AL	R1,\$JOTABLE	ACTUAL ADDR TO START	BNSW K2577608	*	REPLACEMENT*
	ST	R1,COMWREGS	KEEP STARTING POINT FOR THIS Q	BNSW K2577609	*	REPLACED*
	ST	R1,COMWREGS	KEEP STARTING POINT FOR THIS Q	BNSW K2577609	*	REPLACEMENT*
	SPACE	1		BNSW K2577610	*	REPLACED*
	SPACE	1		BNSW K2577610	*	REPLACEMENT*
CDPNXTJO	LH	R1,JOENEXT	1ST/NEXT JOE OFFSET/4	BNSW K2577611	*	REPLACED*
CDPNXTJO	LH	R1,JOENEXT	1ST/NEXT JOE OFFSET/4	BNSW K2577611	*	REPLACEMENT*
	N	R1,=X'0000FFFF'	ENSURE +	BNSW K2577612	*	REPLACED*
	N	R1,=X'0000FFFF'	ENSURE +	BNSW K2577612	*	REPLACEMENT*
	BZ	CDPPRCR	GET OUT IF NO MORE JOE'S	BNSW K2577613	*	REPLACED*
	BZ	CDPPRCR	GET OUT IF NO MORE JOE'S	BNSW K2577613	*	REPLACEMENT*
	SLL	R1,2	*4 FOR ACTUAL OFFSET	BNSW K2577614	*	REPLACED*
	SLL	R1,2	*4 FOR ACTUAL OFFSET	BNSW K2577614	*	REPLACEMENT*
	AL	R1,\$JOTABLE	ADD ADDR OF JOT	BNSW K2577615	*	REPLACED*
	AL	R1,\$JOTABLE	ADD ADDR OF JOT	BNSW K2577615	*	REPLACEMENT*
	ST	R1,COMWREGS+8	KEEP ADDR OF CURRENT JOE	BNSW K2577616	*	REPLACED*

	ST	R1,COMWREGS+8	KEEP ADDR OF CURRENT JOE	BNSW K2577616	*	REPLACEMENT*
	LH	R14,JOEJQE	JQE OFFSET/4	BNSW K2577617	*	REPLACED*
	LH	R14,JOEJQE	JQE OFFSET/4	BNSW K2577617	*	REPLACEMENT*
	N	R14,=X'0000FFFF'	ENSURE +	BNSW K2577618	*	REPLACED*
	N	R14,=X'0000FFFF'	ENSURE +	BNSW K2577618	*	REPLACEMENT*
	SLL	R14,2	*4 FOR ACTUAL OFFSET	BNSW K2577619	*	REPLACED*
	SLL	R14,2	*4 FOR ACTUAL OFFSET	BNSW K2577619	*	REPLACEMENT*
	AL	R14,\$JOBQPTR	A(JQE)	BNSW K2577620	*	REPLACED*
	AL	R14,\$JOBQPTR	A(JQE)	BNSW K2577620	*	REPLACEMENT*
	SPACE	1		BNSW K2577621	*	REPLACED*
	SPACE	1		BNSW K2577621	*	REPLACEMENT*
*	BUILD	MSG AND ISSUE \$CWTO		BNSW K2577622	*	REPLACED*
*	BUILD	MSG AND ISSUE \$CWTO		BNSW K2577622	*	REPLACEMENT*
	SPACE	1		BNSW K2577623	*	REPLACED*
	SPACE	1		BNSW K2577623	*	REPLACEMENT*
	BAL	WC,CDPIJOB	IDENTIFY JOB	BNSW K2577624	*	REPLACED*
	BAL	WC,CDPIJOB	IDENTIFY JOB	BNSW K2577624	*	REPLACEMENT*
	BAL	WC,CDPICLAS	IDENTIFY OUTPUT CLASS	BNSW K2577625	*	REPLACED*
	BAL	WC,CDPICLAS	IDENTIFY OUTPUT CLASS	BNSW K2577625	*	REPLACEMENT*
	BAL	WC,CDPILNS	NUMBER OF LINES	BNSW K2577626	*	REPLACED*
	BAL	WC,CDPILNS	NUMBER OF LINES	BNSW K2577626	*	REPLACEMENT*
	SPACE	1		BNSW K2577627	*	REPLACED*
	SPACE	1		BNSW K2577627	*	REPLACEMENT*
	\$CWTO	L=CDPOLEN	ISSUE MSG	BNSW K2577628	*	REPLACED*
	\$CWTO	L=CDPOLEN	ISSUE MSG	BNSW K2577628	*	REPLACEMENT*
	SPACE	1		BNSW K2577629	*	REPLACED*
	SPACE	1		BNSW K2577629	*	REPLACEMENT*
*	MAKE SURE THAT THE JOE THAT WE WERE WORKING WITH IS STILL			BNSW K2577630	*	REPLACED*
*	MAKE SURE THAT THE JOE THAT WE WERE WORKING WITH IS STILL			BNSW K2577630	*	REPLACEMENT*
*	ON THE QUEUE.			BNSW K2577631	*	REPLACED*
*	ON THE QUEUE.			BNSW K2577631	*	REPLACEMENT*
	L	R1,COMWREGS	GET START POINT FOR THE QUEUE	BNSW K2577632	*	REPLACED*
	L	R1,COMWREGS	GET START POINT FOR THE QUEUE	BNSW K2577632	*	REPLACEMENT*
CDPNXTJX	LH	R1,JOENEXT	1ST/NEXT JOE	BNSW K2577633	*	REPLACED*
CDPNXTJX	LH	R1,JOENEXT	1ST/NEXT JOE	BNSW K2577633	*	REPLACEMENT*
	N	R1,=X'0000FFFF'	ENSURE +	BNSW K2577634	*	REPLACED*
	N	R1,=X'0000FFFF'	ENSURE +	BNSW K2577634	*	REPLACEMENT*
	BZ	CDPINCM	NOT FOUND - MSG 'LIST INCOMPLETE' SW	K2577635	*	REPLACED*
	BZ	CDPINCM	NOT FOUND - MSG 'LIST INCOMPLETE' SW	K2577635	*	REPLACEMENT*
	SLL	R1,2	*4 FOR ACTUAL OFFSET	BNSW K2577636	*	REPLACED*
	SLL	R1,2	*4 FOR ACTUAL OFFSET	BNSW K2577636	*	REPLACEMENT*
	AL	R1,\$JOTABLE	A(JOE)	BNSW K2577637	*	REPLACED*
	AL	R1,\$JOTABLE	A(JOE)	BNSW K2577637	*	REPLACEMENT*
	C	R1,COMWREGS+8	IF THIS IS THE ONE WE WERE WORKING W	K2577638	*	REPLACED*
	C	R1,COMWREGS+8	IF THIS IS THE ONE WE WERE WORKING W	K2577638	*	REPLACEMENT*
	BNE	CDPNXTJX	WITH THEN CONTINUE AS NORMAL ELSE SW	K2577639	*	REPLACED*
	BNE	CDPNXTJX	WITH THEN CONTINUE AS NORMAL ELSE SW	K2577639	*	REPLACEMENT*
*			TRY NEXT JOE ON THE QUEUE.	BNSW K2577640	*	REPLACED*
*			TRY NEXT JOE ON THE QUEUE.	BNSW K2577640	*	REPLACEMENT*
	B	CDPNXTJO	JOE FOUND - CONTINUE	BNSW K2577641	*	REPLACED*
	B	CDPNXTJO	JOE FOUND - CONTINUE	BNSW K2577641	*	REPLACEMENT*
	SPACE	2		BNSW K2577642	*	REPLACED*

		SPACE 2		BNSW K2577642	*	REPLACEMENT*
CDPINCM	MVC	COMMAND(L'CDPCLIC),CDPCLIC 'LIST INCOMPLETE'		BNSW K2577643	*	REPLACED*
CDPINCM	MVC	COMMAND(L'CDPCLIC),CDPCLIC 'LIST INCOMPLETE'		BNSW K2577643	*	REPLACEMENT*
	MVC	COMMAND+L'CDPCLIC(1),COMWREGS+4 CLASS		BNSW K2577644	*	REPLACED*
	MVC	COMMAND+L'CDPCLIC(1),COMWREGS+4 CLASS		BNSW K2577644	*	REPLACEMENT*
	\$CWTO	L=L'CDPCLIC+1	ISSUE MSG	BNSW K2577645	*	REPLACED*
	\$CWTO	L=L'CDPCLIC+1	ISSUE MSG	BNSW K2577645	*	REPLACEMENT*
		SPACE 1		BNSW K2577646	*	REPLACED*
		SPACE 1		BNSW K2577646	*	REPLACEMENT*
CDPPRCR	L	WC,COMWREGS+12	RESTORE RETURN ADDR	BNSW K2577647	*	REPLACED*
CDPPRCR	L	WC,COMWREGS+12	RESTORE RETURN ADDR	BNSW K2577647	*	REPLACEMENT*
	BR	WC		BNSW K2577648	*	REPLACED*
	BR	WC		BNSW K2577648	*	REPLACEMENT*
		SPACE 3		BNSW K2577649	*	REPLACED*
		SPACE 3		BNSW K2577649	*	REPLACEMENT*
CDPIJOB	DS	0H	PUT JOB IDENTITY IN MSG	BNSW K2577650	*	REPLACED*
CDPIJOB	DS	0H	PUT JOB IDENTITY IN MSG	BNSW K2577650	*	REPLACEMENT*
	MVC	CDPOJNAM,JQEJNAME-JQE(R14)	MOVE IN JOBNAME	BNSW K2577651	*	REPLACED*
	MVC	CDPOJNAM,JQEJNAME-JQE(R14)	MOVE IN JOBNAME	BNSW K2577651	*	REPLACEMENT*
	LH	R0,JQEJOBNO-JQE(R14)	JOB NUMBER	BNSW K2577652	*	REPLACED*
	LH	R0,JQEJOBNO-JQE(R14)	JOB NUMBER	BNSW K2577652	*	REPLACEMENT*
	MVC	CDPOJID,CDPCJID	ASSUME 'JOB'	BNSW K2577653	*	REPLACED*
	MVC	CDPOJID,CDPCJID	ASSUME 'JOB'	BNSW K2577653	*	REPLACEMENT*
	CH	R0,=H'10000'	IS IT JOB	BNSW K2577654	*	REPLACED*
	CH	R0,=H'10000'	IS IT JOB	BNSW K2577654	*	REPLACEMENT*
	BL	CDPCONJN	IF SO GO CONVERT NUMBER	BNSW K2577655	*	REPLACED*
	BL	CDPCONJN	IF SO GO CONVERT NUMBER	BNSW K2577655	*	REPLACEMENT*
	MVC	CDPOJID,CDPCTID	TRY FOR 'TSU'	BNSW K2577656	*	REPLACED*
	MVC	CDPOJID,CDPCTID	TRY FOR 'TSU'	BNSW K2577656	*	REPLACEMENT*
	SH	R0,=H'20000'	SUBTRACT TSUS BASE	BNSW K2577657	*	REPLACED*
	SH	R0,=H'20000'	SUBTRACT TSUS BASE	BNSW K2577657	*	REPLACEMENT*
	BNM	CDPCONJN	GO CONVERT IF IT IS TSU	BNSW K2577658	*	REPLACED*
	BNM	CDPCONJN	GO CONVERT IF IT IS TSU	BNSW K2577658	*	REPLACEMENT*
	MVC	CDPOJID,CDPCSID	MUST BE STC	BNSW K2577659	*	REPLACED*
	MVC	CDPOJID,CDPCSID	MUST BE STC	BNSW K2577659	*	REPLACEMENT*
	AH	R0,=H'10000'	MAKE STC NUMBER +VE	BNSW K2577660	*	REPLACED*
	AH	R0,=H'10000'	MAKE STC NUMBER +VE	BNSW K2577660	*	REPLACEMENT*
CDPCONJN	CVD	R0,COMDWORK		BNSW K2577661	*	REPLACED*
CDPCONJN	CVD	R0,COMDWORK		BNSW K2577661	*	REPLACEMENT*
	MVC	CDPOJNUM,CDPCJPAT	EDIT PATTERN	BNSW K2577662	*	REPLACED*
	MVC	CDPOJNUM,CDPCJPAT	EDIT PATTERN	BNSW K2577662	*	REPLACEMENT*
	ED	CDPOJNUM,COMDWORK+(8-L'CDPOJNUM/2)		BNSW K2577663	*	REPLACED*
	ED	CDPOJNUM,COMDWORK+(8-L'CDPOJNUM/2)		BNSW K2577663	*	REPLACEMENT*
	MVC	CDPOJNID,CDPCJNID	'#'	BNSW K2577664	*	REPLACED*
	MVC	CDPOJNID,CDPCJNID	'#'	BNSW K2577664	*	REPLACEMENT*
	BR	WC		BNSW K2577665	*	REPLACED*
	BR	WC		BNSW K2577665	*	REPLACEMENT*
		SPACE 2		BNSW K2577666	*	REPLACED*
		SPACE 2		BNSW K2577666	*	REPLACEMENT*
CDPICLAS	DS	0H	PUT OUTPUT CLASS INTO MSG	BNSW K2577667	*	REPLACED*
CDPICLAS	DS	0H	PUT OUTPUT CLASS INTO MSG	BNSW K2577667	*	REPLACEMENT*
	MVC	CDPOCLAS,COMWREGS+4	A,B,C,...	BNSW K2577668	*	REPLACED*

	MVC	CDPOCLAS,COMWREGS+4	A,B,C,...	BNSW	K2577668	*	REPLACEMENT*
	MVC	CDPOCLID,CDPCCLID	'CLASS'	BNSW	K2577669	*	REPLACEMENT*
	MVC	CDPOCLID,CDPCCLID	'CLASS'	BNSW	K2577669	*	REPLACEMENT*
	BR	WC		BNSW	K2577670	*	REPLACEMENT*
	BR	WC		BNSW	K2577670	*	REPLACEMENT*
	SPACE	2		BNSW	K2577671	*	REPLACEMENT*
	SPACE	2		BNSW	K2577671	*	REPLACEMENT*
CDPILNS	DS	0H	NUMBER OF LINES AND INDICATION	BNSW	K2577672	*	REPLACEMENT*
CDPILNS	DS	0H	NUMBER OF LINES AND INDICATION	BNSW	K2577672	*	REPLACEMENT*
	MVC	CDPOPRIN,CDPCBLNK	IF THE JOB IS CURRENTLY PRINTING	NSW	K2577673	*	REPLACEMENT*
	MVC	CDPOPRIN,CDPCBLNK	IF THE JOB IS CURRENTLY PRINTING	NSW	K2577673	*	REPLACEMENT*
	L	R0,JOERECCT	NUMBER OF LINES	BNSW	K2577674	*	REPLACEMENT*
	L	R0,JOERECCT	NUMBER OF LINES	BNSW	K2577674	*	REPLACEMENT*
	TM	JOEFLAG,\$JOEPRT	IF JOB IS NOT PRINTING	BNSW	K2577675	*	REPLACEMENT*
	TM	JOEFLAG,\$JOEPRT	IF JOB IS NOT PRINTING	BNSW	K2577675	*	REPLACEMENT*
	BNO	CDPNOTPR	THEN DON'T LOOK FOR CHKPT JOE	BNSW	K2577676	*	REPLACEMENT*
	BNO	CDPNOTPR	THEN DON'T LOOK FOR CHKPT JOE	BNSW	K2577676	*	REPLACEMENT*
	SPACE	1		BNSW	K2577677	*	REPLACEMENT*
	SPACE	1		BNSW	K2577677	*	REPLACEMENT*
	MVC	CDPOPRIN,CDPCPRIN	'PRINTING' TO MSG	BNSW	K2577678	*	REPLACEMENT*
	MVC	CDPOPRIN,CDPCPRIN	'PRINTING' TO MSG	BNSW	K2577678	*	REPLACEMENT*
*	JOB	PRINTING, SUBTRACT	NUMBER OF LINES PRINTED FROM TOTAL.	NSW	K2577679	*	REPLACEMENT*
*	JOB	PRINTING, SUBTRACT	NUMBER OF LINES PRINTED FROM TOTAL.	NSW	K2577679	*	REPLACEMENT*
	TM	JOEFLAG,\$JOECKV	IF CHKPT NOT VALID	BNSW	K2577680	*	REPLACEMENT*
	TM	JOEFLAG,\$JOECKV	IF CHKPT NOT VALID	BNSW	K2577680	*	REPLACEMENT*
	BNO	CDPNOTPR	THEN DON'T LOOK AT IT	BNSW	K2577681	*	REPLACEMENT*
	BNO	CDPNOTPR	THEN DON'T LOOK AT IT	BNSW	K2577681	*	REPLACEMENT*
	LH	R1,JOECKPT	OFFSET/4 FOR CHKPT JOE	BNSW	K2577682	*	REPLACEMENT*
	LH	R1,JOECKPT	OFFSET/4 FOR CHKPT JOE	BNSW	K2577682	*	REPLACEMENT*
	N	R1,=X'0000FFFF'	ENSURE +	BNSW	K2577683	*	REPLACEMENT*
	N	R1,=X'0000FFFF'	ENSURE +	BNSW	K2577683	*	REPLACEMENT*
	SLA	R1,2	*4 FOR ACTUAL OFFSET	BNSW	K2577684	*	REPLACEMENT*
	SLA	R1,2	*4 FOR ACTUAL OFFSET	BNSW	K2577684	*	REPLACEMENT*
	BZ	CDPNOTPR	SKIP IT IF NOT AVAILABLE	BNSW	K2577685	*	REPLACEMENT*
	BZ	CDPNOTPR	SKIP IT IF NOT AVAILABLE	BNSW	K2577685	*	REPLACEMENT*
	AL	R1,\$JOTABLE	A(CHKPT JOE)	BNSW	K2577686	*	REPLACEMENT*
	AL	R1,\$JOTABLE	A(CHKPT JOE)	BNSW	K2577686	*	REPLACEMENT*
	S	R0,JOETLNC	TOTAL-(NO. PRINTED)	BNSW	K2577687	*	REPLACEMENT*
	S	R0,JOETLNC	TOTAL-(NO. PRINTED)	BNSW	K2577687	*	REPLACEMENT*
	L	R1,COMWREGS+8	RESTORE A(WORK JOE)	BNSW	K2577688	*	REPLACEMENT*
	L	R1,COMWREGS+8	RESTORE A(WORK JOE)	BNSW	K2577688	*	REPLACEMENT*
	SPACE	1		BNSW	K2577689	*	REPLACEMENT*
	SPACE	1		BNSW	K2577689	*	REPLACEMENT*
CDPNOTPR	CVD	R0,COMDWORK	NUMBER OF LINES	BNSW	K2577690	*	REPLACEMENT*
CDPNOTPR	CVD	R0,COMDWORK	NUMBER OF LINES	BNSW	K2577690	*	REPLACEMENT*
	MVC	CDPONLIN,CDPCLPAT	EDIT PATTERN	BNSW	K2577691	*	REPLACEMENT*
	MVC	CDPONLIN,CDPCLPAT	EDIT PATTERN	BNSW	K2577691	*	REPLACEMENT*
	ED	CDPONLIN,COMDWORK+(8-L'CDPONLIN/2)		BNSW	K2577692	*	REPLACEMENT*
	ED	CDPONLIN,COMDWORK+(8-L'CDPONLIN/2)		BNSW	K2577692	*	REPLACEMENT*
	MVC	CDPOLINS,CDPCLINS	'LINES'	BNSW	K2577693	*	REPLACEMENT*
	MVC	CDPOLINS,CDPCLINS	'LINES'	BNSW	K2577693	*	REPLACEMENT*
	BR	WC		BNSW	K2577694	*	REPLACEMENT*

	BR	WC		BNSW K2577694	*	REPLACEMENT*
	SPACE	3		BNSW K2577695	*	REPLACED*
	SPACE	3		BNSW K2577695	*	REPLACEMENT*
*	FIELD	'COMWREGS'	USED AS FOLLOWS:	BNSW K2577696	*	REPLACED*
*	FIELD	'COMWREGS'	USED AS FOLLOWS:	BNSW K2577696	*	REPLACEMENT*
*				BNSW K2577697	*	REPLACED*
*				BNSW K2577697	*	REPLACEMENT*
*		COMWREGS+0(4)	OFFSET OF START OF CURRENT WORK JOE Q NSW	K2577698	*	REPLACED*
*		COMWREGS+0(4)	OFFSET OF START OF CURRENT WORK JOE Q NSW	K2577698	*	REPLACEMENT*
*		COMWREGS+4(1)	CLASS CURRENTLY BEING PROCESSED	BNSW K2577699	*	REPLACED*
*		COMWREGS+4(1)	CLASS CURRENTLY BEING PROCESSED	BNSW K2577699	*	REPLACEMENT*
*		COMWREGS+8(4)	ADDR OF CURRENT WORK JOE	BNSW K2577700	*	REPLACED*
*		COMWREGS+8(4)	ADDR OF CURRENT WORK JOE	BNSW K2577700	*	REPLACEMENT*
*		COMWREGS+12(4)	RETURN ADDR FROM 'CDPPRC'	BNSW K2577701	*	REPLACED*
*		COMWREGS+12(4)	RETURN ADDR FROM 'CDPPRC'	BNSW K2577701	*	REPLACEMENT*
*				BNSW K2577702	*	REPLACED*
*				BNSW K2577702	*	REPLACEMENT*
	SPACE	1		BNSW K2577703	*	REPLACED*
	SPACE	1		BNSW K2577703	*	REPLACEMENT*
CDPCJID	DC	C' JOB '	IDENTIFY 'JOB' IN MSG	BNSW K2577704	*	REPLACED*
CDPCJID	DC	C' JOB '	IDENTIFY 'JOB' IN MSG	BNSW K2577704	*	REPLACEMENT*
CDPCTID	DC	C' TSU '	IDENTIFY 'TSU' IN MSG	BNSW K2577705	*	REPLACED*
CDPCTID	DC	C' TSU '	IDENTIFY 'TSU' IN MSG	BNSW K2577705	*	REPLACEMENT*
CDPCSID	DC	C' STC '	IDENTIFY 'STC' IN MSG	BNSW K2577706	*	REPLACED*
CDPCSID	DC	C' STC '	IDENTIFY 'STC' IN MSG	BNSW K2577706	*	REPLACEMENT*
CDPCJNID	DC	C' #'	IDENTIFY JOB NUMBER	BNSW K2577707	*	REPLACED*
CDPCJNID	DC	C' #'	IDENTIFY JOB NUMBER	BNSW K2577707	*	REPLACEMENT*
CDPCJPAT	DC	X'602020202021'	JOB NUMBER PATTERN	BNSW K2577708	*	REPLACED*
CDPCJPAT	DC	X'602020202021'	JOB NUMBER PATTERN	BNSW K2577708	*	REPLACEMENT*
CDPCCLID	DC	C' CLASS '	IDENTIFY CLASS IN MSG	BNSW K2577709	*	REPLACED*
CDPCCLID	DC	C' CLASS '	IDENTIFY CLASS IN MSG	BNSW K2577709	*	REPLACEMENT*
CDPCLINS	DC	C' LINES'		BNSW K2577710	*	REPLACED*
CDPCLINS	DC	C' LINES'		BNSW K2577710	*	REPLACEMENT*
CDPCLPAT	DC	X'40202020202021'	NUMBER OF LINES PATTERN	BNSW K2577711	*	REPLACED*
CDPCLPAT	DC	X'40202020202021'	NUMBER OF LINES PATTERN	BNSW K2577711	*	REPLACEMENT*
CDPCPRIN	DC	C' PRINTING'	IF JOB IS PRINTING	BNSW K2577712	*	REPLACED*
CDPCPRIN	DC	C' PRINTING'	IF JOB IS PRINTING	BNSW K2577712	*	REPLACEMENT*
CDPCBLNK	DC	CL(L'CDPCPRIN)'	IF JOB NOT PRINTING	BNSW K2577713	*	REPLACED*
CDPCBLNK	DC	CL(L'CDPCPRIN)'	IF JOB NOT PRINTING	BNSW K2577713	*	REPLACEMENT*
CDPCLIC	DC	C'LIST INCOMPLETE FOR CLASS '		BNSW K2577714	*	REPLACED*
CDPCLIC	DC	C'LIST INCOMPLETE FOR CLASS '		BNSW K2577714	*	REPLACEMENT*
	SPACE	2		BNSW K2577715	*	REPLACED*
	SPACE	2		BNSW K2577715	*	REPLACEMENT*
*	EQUATES	FOR OUTPUT LINE.	THESE TOGETHER WITH THE ABOVE	BNSW K2577716	*	REPLACED*
*	EQUATES	FOR OUTPUT LINE.	THESE TOGETHER WITH THE ABOVE	BNSW K2577716	*	REPLACEMENT*
*	CONSTANTS	DETERMINE THE FORMAT OF THE MESSAGE.		BNSW K2577717	*	REPLACED*
*	CONSTANTS	DETERMINE THE FORMAT OF THE MESSAGE.		BNSW K2577717	*	REPLACEMENT*
	SPACE	1		BNSW K2577718	*	REPLACED*
	SPACE	1		BNSW K2577718	*	REPLACEMENT*
CDPOJID	EQU	COMMAND,L'CDPCJID	'JOB','TSU','STC'	BNSW K2577719	*	REPLACED*
CDPOJID	EQU	COMMAND,L'CDPCJID	'JOB','TSU','STC'	BNSW K2577719	*	REPLACEMENT*
CDPOJNAM	EQU	CDPOJID+L'CDPOJID,8	JOBNAME	BNSW K2577720	*	REPLACED*

CDPOJNAM	EQU	CDPOJID+L'CDPOJID,8	JOBNAME	BNSW	K2577720	*	REPLACEMENT*
CDPOJNID	EQU	CDPOJNAM+L'CDPOJNAM,L'CDPCJNID	'#'	BNSW	K2577721	*	REPLACEMENT*
CDPOJNID	EQU	CDPOJNAM+L'CDPOJNAM,L'CDPCJNID	'#'	BNSW	K2577721	*	REPLACEMENT*
CDPOJNUM	EQU	CDPOJNID+L'CDPOJNID-1,L'CDPCJPAT	JOB NUMBER	BNSW	K2577722	*	REPLACEMENT*
CDPOJNUM	EQU	CDPOJNID+L'CDPOJNID-1,L'CDPCJPAT	JOB NUMBER	BNSW	K2577722	*	REPLACEMENT*
CDPOCLID	EQU	CDPOJNUM+L'CDPOJNUM,L'CDPCCLID	'CLASS'	BNSW	K2577723	*	REPLACEMENT*
CDPOCLID	EQU	CDPOJNUM+L'CDPOJNUM,L'CDPCCLID	'CLASS'	BNSW	K2577723	*	REPLACEMENT*
CDPOCLAS	EQU	CDPOCLID+L'CDPOCLID,1	CLASS BYTE	BNSW	K2577724	*	REPLACEMENT*
CDPOCLAS	EQU	CDPOCLID+L'CDPOCLID,1	CLASS BYTE	BNSW	K2577724	*	REPLACEMENT*
CDPOLINS	EQU	CDPOCLAS+L'CDPOCLAS,L'CDPCLINS	'LINES'	BNSW	K2577725	*	REPLACEMENT*
CDPOLINS	EQU	CDPOCLAS+L'CDPOCLAS,L'CDPCLINS	'LINES'	BNSW	K2577725	*	REPLACEMENT*
CDPONLIN	EQU	CDPOLINS+L'CDPOLINS-1,L'CDPCLPAT	NUMBER OF LINES	BNSW	K2577726	*	REPLACEMENT*
CDPONLIN	EQU	CDPOLINS+L'CDPOLINS-1,L'CDPCLPAT	NUMBER OF LINES	BNSW	K2577726	*	REPLACEMENT*
CDPOPRIN	EQU	CDPONLIN+L'CDPONLIN,L'CDPCPRIN	'PRINTING'	BNSW	K2577727	*	REPLACEMENT*
CDPOPRIN	EQU	CDPONLIN+L'CDPONLIN,L'CDPCPRIN	'PRINTING'	BNSW	K2577727	*	REPLACEMENT*
CDPOLEN	EQU	CDPOPRIN+L'CDPOPRIN-COMMAND	LENGTH OF MSG	BNSW	K2577728	*	REPLACEMENT*
CDPOLEN	EQU	CDPOPRIN+L'CDPOPRIN-COMMAND	LENGTH OF MSG	BNSW	K2577728	*	REPLACEMENT*
TITLE	'	HASP COMMAND PROCESSOR BNSWCMD - \$U	*** BNSW ***'	BNSW	K2577729	*	REPLACEMENT*
TITLE	'	HASP COMMAND PROCESSOR BNSWCMD - \$U	*** BNSW ***'	BNSW	K2577729	*	REPLACEMENT*
		EJECT		BNSW	K2577730	*	REPLACEMENT*
		EJECT		BNSW	K2577730	*	REPLACEMENT*
		*****		BNSW	K2577731	*	REPLACEMENT*
		*****		BNSW	K2577731	*	REPLACEMENT*
		*		BNSW	K2577732	*	REPLACEMENT*
		*		BNSW	K2577732	*	REPLACEMENT*
		ROUTINES FOR \$U COMMAND:		BNSW	K2577733	*	REPLACEMENT*
		ROUTINES FOR \$U COMMAND:		BNSW	K2577733	*	REPLACEMENT*
		*		BNSW	K2577734	*	REPLACEMENT*
		*		BNSW	K2577734	*	REPLACEMENT*
		EG'S \$U'JOBNAME',O=V,C=Z	(FROM CLASS V TO CLASS Z)	BNSW	K2577735	*	REPLACEMENT*
		EG'S \$U'JOBNAME',O=V,C=Z	(FROM CLASS V TO CLASS Z)	BNSW	K2577735	*	REPLACEMENT*
		\$UJ101,O=*,C=A	(ALL CLASSES TO CLASS A)	BNSW	K2577736	*	REPLACEMENT*
		\$UJ101,O=*,C=A	(ALL CLASSES TO CLASS A)	BNSW	K2577736	*	REPLACEMENT*
		\$UT15-16,O=AB5,C=V	(CLASSES A,B,5 TO CLASS V)	BNSW	K2577737	*	REPLACEMENT*
		\$UT15-16,O=AB5,C=V	(CLASSES A,B,5 TO CLASS V)	BNSW	K2577737	*	REPLACEMENT*
		*		BNSW	K2577738	*	REPLACEMENT*
		*		BNSW	K2577738	*	REPLACEMENT*
		*****		BNSW	K2577739	*	REPLACEMENT*
		*****		BNSW	K2577739	*	REPLACEMENT*
		SPACE 2		BNSW	K2577740	*	REPLACEMENT*
		SPACE 2		BNSW	K2577740	*	REPLACEMENT*
CU7D	DS	0H	\$U'JOBNAME'	BNSW	K2577741	*	REPLACEMENT*
CU7D	DS	0H	\$U'JOBNAME'	BNSW	K2577741	*	REPLACEMENT*
	L	R1,0(,WD)	A(OPERAND) IE 1ST ""	BNSW	K2577742	*	REPLACEMENT*
	L	R1,0(,WD)	A(OPERAND) IE 1ST ""	BNSW	K2577742	*	REPLACEMENT*
	L	WC,4(,WD)	END OF OPERAND +2	BNSW	K2577743	*	REPLACEMENT*
	L	WC,4(,WD)	END OF OPERAND +2	BNSW	K2577743	*	REPLACEMENT*
	BCTR	WC,0	BACK TO END	BNSW	K2577744	*	REPLACEMENT*
	BCTR	WC,0	BACK TO END	BNSW	K2577744	*	REPLACEMENT*
	BCTR	WC,0	OF OPERAND	BNSW	K2577745	*	REPLACEMENT*
	BCTR	WC,0	OF OPERAND	BNSW	K2577745	*	REPLACEMENT*
	CLI	0(WC),C''''	ENDING ' IS OPTIONAL	BNSW	K2577746	*	REPLACEMENT*

	CLI	0(WC),C''''	ENDING ' IS OPTIONAL	BNSW	K2577746	*	REPLACEMENT*
	BNE	CUNOSUB	IF NOT ' LAST BYTE PART OF NAME	BNSW	K2577747	*	REPLACED*
	BNE	CUNOSUB	IF NOT ' LAST BYTE PART OF NAME	BNSW	K2577747	*	REPLACEMENT*
	BCTR	WC,0	END OF NAME	BNSW	K2577748	*	REPLACED*
	BCTR	WC,0	END OF NAME	BNSW	K2577748	*	REPLACEMENT*
CUNOSUB	SR	WC,R1	LENGTH OF NAME	BNSW	K2577749	*	REPLACED*
CUNOSUB	SR	WC,R1	LENGTH OF NAME	BNSW	K2577749	*	REPLACEMENT*
	BNP	CUJINVO	NO NAME - GET OUT	BNSW	K2577750	*	REPLACED*
	BNP	CUJINVO	NO NAME - GET OUT	BNSW	K2577750	*	REPLACEMENT*
	BCTR	WC,0	LENGTH FOR EX	BNSW	K2577751	*	REPLACED*
	BCTR	WC,0	LENGTH FOR EX	BNSW	K2577751	*	REPLACEMENT*
	LA	R0,7	MAX LEN	BNSW	K2577752	*	REPLACED*
	LA	R0,7	MAX LEN	BNSW	K2577752	*	REPLACEMENT*
	CR	WC,R0	TRUNCATE	BNSW	K2577753	*	REPLACED*
	CR	WC,R0	TRUNCATE	BNSW	K2577753	*	REPLACEMENT*
	BNH	CUOKL	IF	BNSW	K2577754	*	REPLACED*
	BNH	CUOKL	IF	BNSW	K2577754	*	REPLACEMENT*
	LR	WC,R0	TOO LONG	BNSW	K2577755	*	REPLACED*
	LR	WC,R0	TOO LONG	BNSW	K2577755	*	REPLACEMENT*
CUOKL	MVC	COMJNAME,=CL8' '	INIT JOBNAME	BNSW	K2577756	*	REPLACED*
CUOKL	MVC	COMJNAME,=CL8' '	INIT JOBNAME	BNSW	K2577756	*	REPLACEMENT*
	EX	WC,CUMVC		BNSW	K2577757	*	REPLACED*
	EX	WC,CUMVC		BNSW	K2577757	*	REPLACEMENT*
	SPACE	1		BNSW	K2577758	*	REPLACED*
	SPACE	1		BNSW	K2577758	*	REPLACEMENT*
*			LOOK FOR JOB IN JOB QUEUE.	BNSW	K2577759	*	REPLACED*
*			LOOK FOR JOB IN JOB QUEUE.	BNSW	K2577759	*	REPLACEMENT*
			USING JQEDSECT,R1	BNSW	K2577760	*	REPLACED*
			USING JQEDSECT,R1	BNSW	K2577760	*	REPLACEMENT*
			\$CFJSCAN PROCESS=CUPROC,NEXT=CUNEXTJ	BNSW	K2577761	*	REPLACED*
			\$CFJSCAN PROCESS=CUPROC,NEXT=CUNEXTJ	BNSW	K2577761	*	REPLACEMENT*
	MVC	COMMAND(8),COMJNAME	JOB NOT FOUND -	BNSW	K2577762	*	REPLACED*
	MVC	COMMAND(8),COMJNAME	JOB NOT FOUND -	BNSW	K2577762	*	REPLACEMENT*
	MVC	COMMAND+8(14),=C'	JOB NOT FOUND' SETUP MSG	BNSW	K2577763	*	REPLACED*
	MVC	COMMAND+8(14),=C'	JOB NOT FOUND' SETUP MSG	BNSW	K2577763	*	REPLACEMENT*
	\$CRET	L=22	AND GET OUT	BNSW	K2577764	*	REPLACED*
	\$CRET	L=22	AND GET OUT	BNSW	K2577764	*	REPLACEMENT*
	SPACE	1		BNSW	K2577765	*	REPLACED*
	SPACE	1		BNSW	K2577765	*	REPLACEMENT*
CUMVC	MVC	COMJNAME(1),1(R1)	TO MOVE JOBNAME FROM COMMAND	BNSW	K2577766	*	REPLACED*
CUMVC	MVC	COMJNAME(1),1(R1)	TO MOVE JOBNAME FROM COMMAND	BNSW	K2577766	*	REPLACEMENT*
	SPACE	1		BNSW	K2577767	*	REPLACED*
	SPACE	1		BNSW	K2577767	*	REPLACEMENT*
CUPROC	CLC	COMJNAME,JQEJNAME	IS THIS THE REQD JOB	BNSW	K2577768	*	REPLACED*
CUPROC	CLC	COMJNAME,JQEJNAME	IS THIS THE REQD JOB	BNSW	K2577768	*	REPLACEMENT*
	BNE	CUNEXTJ	GET NEXT IF NO MATCH	BNSW	K2577769	*	REPLACED*
	BNE	CUNEXTJ	GET NEXT IF NO MATCH	BNSW	K2577769	*	REPLACEMENT*
	LH	WC,JQEJOBNO	GET JOB NUMBER	BNSW	K2577770	*	REPLACED*
	LH	WC,JQEJOBNO	GET JOB NUMBER	BNSW	K2577770	*	REPLACEMENT*
	STH	WC,CUJWJLO	LO JOB NO	BNSW	K2577771	*	REPLACED*
	STH	WC,CUJWJLO	LO JOB NO	BNSW	K2577771	*	REPLACEMENT*
	STH	WC,CUJWJHI	SAME AS HI JOB NO	BNSW	K2577772	*	REPLACED*

	STH	WC, CUJWJHI	SAME AS HI JOB NO	BNSW	K2577772	*	REPLACEMENT*
	B	CUJHAVJ	PROCESS OTHER OPERANDS	BNSW	K2577773	*	REPLACED*
	B	CUJHAVJ	PROCESS OTHER OPERANDS	BNSW	K2577773	*	REPLACEMENT*
	SPACE	2		BNSW	K2577774	*	REPLACED*
	SPACE	2		BNSW	K2577774	*	REPLACEMENT*
	USING	JOEDSECT, R1		BNSW	K2577775	*	REPLACED*
	USING	JOEDSECT, R1		BNSW	K2577775	*	REPLACEMENT*
CUS	DS	0H	\$US	BNSW	K2577776	*	REPLACED*
CUS	DS	0H	\$US	BNSW	K2577776	*	REPLACEMENT*
	LH	WA, =H'10000'	STCS LO END	BNSW	K2577777	*	REPLACED*
	LH	WA, =H'10000'	STCS LO END	BNSW	K2577777	*	REPLACEMENT*
	B	CUJA	COMMON	BNSW	K2577778	*	REPLACED*
	B	CUJA	COMMON	BNSW	K2577778	*	REPLACEMENT*
	SPACE	2		BNSW	K2577779	*	REPLACED*
	SPACE	2		BNSW	K2577779	*	REPLACEMENT*
CUT	DS	0H	\$UT	BNSW	K2577780	*	REPLACED*
CUT	DS	0H	\$UT	BNSW	K2577780	*	REPLACEMENT*
	LH	WA, =H'20000'	TSUS LO END	BNSW	K2577781	*	REPLACED*
	LH	WA, =H'20000'	TSUS LO END	BNSW	K2577781	*	REPLACEMENT*
	B	CUJA	COMMON	BNSW	K2577782	*	REPLACED*
	B	CUJA	COMMON	BNSW	K2577782	*	REPLACEMENT*
	SPACE	2		BNSW	K2577783	*	REPLACED*
	SPACE	2		BNSW	K2577783	*	REPLACEMENT*
CUJ	DS	0H	\$UJ	BNSW	K2577784	*	REPLACED*
CUJ	DS	0H	\$UJ	BNSW	K2577784	*	REPLACEMENT*
	SR	WA, WA	JOBS LO END	BNSW	K2577785	*	REPLACED*
	SR	WA, WA	JOBS LO END	BNSW	K2577785	*	REPLACEMENT*
	SPACE	1		BNSW	K2577786	*	REPLACED*
	SPACE	1		BNSW	K2577786	*	REPLACEMENT*
CUJA	\$CFCVB	POINTER=(WD), NOK=CUJINVO	GET JOB NUBER RANGE	BNSW	K2577787	*	REPLACED*
CUJA	\$CFCVB	POINTER=(WD), NOK=CUJINVO	GET JOB NUBER RANGE	BNSW	K2577787	*	REPLACEMENT*
	LTR	R0, R0	IF 'HI' JOB NUMBER NOT +VE	BNSW	K2577788	*	REPLACED*
	LTR	R0, R0	IF 'HI' JOB NUMBER NOT +VE	BNSW	K2577788	*	REPLACEMENT*
	BNP	CUJINVO	THEN GET OUT WITH ERROR MSG	BNSW	K2577789	*	REPLACED*
	BNP	CUJINVO	THEN GET OUT WITH ERROR MSG	BNSW	K2577789	*	REPLACEMENT*
	AR	R0, WA	HI JOB NUMBER	BNSW	K2577790	*	REPLACED*
	AR	R0, WA	HI JOB NUMBER	BNSW	K2577790	*	REPLACEMENT*
	STH	R0, CUJWJHI	KEEP HI JOB NUMBER	BNSW	K2577791	*	REPLACED*
	STH	R0, CUJWJHI	KEEP HI JOB NUMBER	BNSW	K2577791	*	REPLACEMENT*
	AR	R1, WA	LO JOB NUMBER	BNSW	K2577792	*	REPLACED*
	AR	R1, WA	LO JOB NUMBER	BNSW	K2577792	*	REPLACEMENT*
	STH	R1, CUJWJLO	KEEP LO JOB NUMBER	BNSW	K2577793	*	REPLACED*
	STH	R1, CUJWJLO	KEEP LO JOB NUMBER	BNSW	K2577793	*	REPLACEMENT*
CUJHAVJ	MVI	CUJWFLG, 0	INIT FLAG	BNSW	K2577794	*	REPLACED*
CUJHAVJ	MVI	CUJWFLG, 0	INIT FLAG	BNSW	K2577794	*	REPLACEMENT*
	SPACE	1		BNSW	K2577795	*	REPLACED*
	SPACE	1		BNSW	K2577795	*	REPLACEMENT*
	CLR	WD, WF	IF NO MORE OPERANDS	BNSW	K2577796	*	REPLACED*
	CLR	WD, WF	IF NO MORE OPERANDS	BNSW	K2577796	*	REPLACEMENT*
	BNL	CUJMISS	THEN ISSUE MISSING OP MSG	BNSW	K2577797	*	REPLACED*
	BNL	CUJMISS	THEN ISSUE MISSING OP MSG	BNSW	K2577797	*	REPLACEMENT*
CUJLOOP	BXH	WD, WE, CUJEND	LOOK AT NEXT OP	BNSW	K2577798	*	REPLACED*

CUJLOOP	BXH	WD,WE,CUJEND	LOOK AT NEXT OP	BNSW K2577798	*	REPLACEMENT*
	L	R1,0(,WD)	A(OPERAND)	BNSW K2577799	*	REPLACED*
	L	R1,0(,WD)	A(OPERAND)	BNSW K2577799	*	REPLACEMENT*
	CLI	1(R1),C'='	C= OR O=	BNSW K2577800	*	REPLACED*
	CLI	1(R1),C'='	C= OR O=	BNSW K2577800	*	REPLACEMENT*
	BNE	CUJINVO	GET OUT IF '=' NOT THERE	BNSW K2577801	*	REPLACED*
	BNE	CUJINVO	GET OUT IF '=' NOT THERE	BNSW K2577801	*	REPLACEMENT*
		\$CFSEL (C,CUJCLAS),(O,CUJOUT),OPERAND=(R1) B DEP ON C OR O	NSW K2577802	*	REPLACED*	
		\$CFSEL (C,CUJCLAS),(O,CUJOUT),OPERAND=(R1) B DEP ON C OR O	NSW K2577802	*	REPLACEMENT*	
		SPACE 1		BNSW K2577803	*	REPLACED*
		SPACE 1		BNSW K2577803	*	REPLACEMENT*
CUJINVO	L	R1,0(,WD)	INVALID OPERAND POINTER	BNSW K2577804	*	REPLACED*
CUJINVO	L	R1,0(,WD)	INVALID OPERAND POINTER	BNSW K2577804	*	REPLACEMENT*
		\$CFINVO OPERAND=(R1)	GET OUT WITH MSG	BNSW K2577805	*	REPLACED*
		\$CFINVO OPERAND=(R1)	GET OUT WITH MSG	BNSW K2577805	*	REPLACEMENT*
		SPACE 1		BNSW K2577806	*	REPLACED*
		SPACE 1		BNSW K2577806	*	REPLACEMENT*
CUJMISS		\$CRET MSG='OPERANDS MISSING FOR \$U' GET OUT WITH MSG		BNSW K2577807	*	REPLACED*
CUJMISS		\$CRET MSG='OPERANDS MISSING FOR \$U' GET OUT WITH MSG		BNSW K2577807	*	REPLACEMENT*
		SPACE 2		BNSW K2577808	*	REPLACED*
		SPACE 2		BNSW K2577808	*	REPLACEMENT*
*		O=CLASSES OR O=* FOR ALL CLASSES EG O=ABV		BNSW K2577809	*	REPLACED*
*		O=CLASSES OR O=* FOR ALL CLASSES EG O=ABV		BNSW K2577809	*	REPLACEMENT*
CUJOUT	OI	CUJWFLG,CUJEOUT	O= OPERAND FOUND	BNSW K2577810	*	REPLACED*
CUJOUT	OI	CUJWFLG,CUJEOUT	O= OPERAND FOUND	BNSW K2577810	*	REPLACEMENT*
	XC	CUJWOCLS,CUJWOCLS	CLEAR REQUIRED CLASES	BNSW K2577811	*	REPLACED*
	XC	CUJWOCLS,CUJWOCLS	CLEAR REQUIRED CLASES	BNSW K2577811	*	REPLACEMENT*
	L	R15,4(,WD)	NEXT OR NULL OPERAND	BNSW K2577812	*	REPLACED*
	L	R15,4(,WD)	NEXT OR NULL OPERAND	BNSW K2577812	*	REPLACEMENT*
	BCTR	R15,0	BACK TO ', '	BNSW K2577813	*	REPLACED*
	BCTR	R15,0	BACK TO ', '	BNSW K2577813	*	REPLACEMENT*
	LA	R1,2(,R1)	1ST OUT CLASS	BNSW K2577814	*	REPLACED*
	LA	R1,2(,R1)	1ST OUT CLASS	BNSW K2577814	*	REPLACEMENT*
	CLI	0(R1),C'*'	IF NOT 'ALL CLASSES'	BNSW K2577815	*	REPLACED*
	CLI	0(R1),C'*'	IF NOT 'ALL CLASSES'	BNSW K2577815	*	REPLACEMENT*
	BNE	CUJSCLS	THEN GO SCAN LIST	BNSW K2577816	*	REPLACED*
	BNE	CUJSCLS	THEN GO SCAN LIST	BNSW K2577816	*	REPLACEMENT*
	MVC	CUJWOCLS,CDPCLSES	ELSE MOVE IN LIST OF ALL CLASES	BNSW K2577817	*	REPLACED*
	MVC	CUJWOCLS,CDPCLSES	ELSE MOVE IN LIST OF ALL CLASES	BNSW K2577817	*	REPLACEMENT*
	B	CUJLOOP	AND GO GET NEXT OP	BNSW K2577818	*	REPLACED*
	B	CUJLOOP	AND GO GET NEXT OP	BNSW K2577818	*	REPLACEMENT*
		SPACE 1		BNSW K2577819	*	REPLACED*
		SPACE 1		BNSW K2577819	*	REPLACEMENT*
CUJSCLS	CR	R1,R15	IF AT END OF THIS OPERAND	BNSW K2577820	*	REPLACED*
CUJSCLS	CR	R1,R15	IF AT END OF THIS OPERAND	BNSW K2577820	*	REPLACEMENT*
	BNL	CUJLOOP	THEN GO GET NEXT	BNSW K2577821	*	REPLACED*
	BNL	CUJLOOP	THEN GO GET NEXT	BNSW K2577821	*	REPLACEMENT*
	LA	R14,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW K2577822	*	REPLACED*
	LA	R14,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW K2577822	*	REPLACEMENT*
CUJFCLSO	IC	R0,CDPCLSES-1(R14)	PICK UP CLASS (WORKING BACWARDS)	NSW K2577823	*	REPLACED*
CUJFCLSO	IC	R0,CDPCLSES-1(R14)	PICK UP CLASS (WORKING BACWARDS)	NSW K2577823	*	REPLACEMENT*
	CLM	R0,1,0(R1)	IF CLASS MATCHES	BNSW K2577824	*	REPLACED*

	CLM	R0,1,0(R1)	IF CLASS MATCHES	BNSW	K2577824	*	REPLACEMENT*
	BE	CUJHCLSO	GO PUT IT IN LIST	BNSW	K2577825	*	REPLACED*
	BE	CUJHCLSO	GO PUT IT IN LIST	BNSW	K2577825	*	REPLACEMENT*
	BCT	R14,CUJFCLSO	ELSE TRY NEXT VALID CLASS	BNSW	K2577826	*	REPLACED*
	BCT	R14,CUJFCLSO	ELSE TRY NEXT VALID CLASS	BNSW	K2577826	*	REPLACEMENT*
	B	CUJINVO	CLASS NOT VALID - ISSUE MSG	BNSW	K2577827	*	REPLACED*
	B	CUJINVO	CLASS NOT VALID - ISSUE MSG	BNSW	K2577827	*	REPLACEMENT*
	SPACE	1		BNSW	K2577828	*	REPLACED*
	SPACE	1		BNSW	K2577828	*	REPLACEMENT*
CUJHCLSO	STC	R0,CUJWOCLS-1(R14)	CLASS REQUIRED INTO LIST	BNSW	K2577829	*	REPLACED*
CUJHCLSO	STC	R0,CUJWOCLS-1(R14)	CLASS REQUIRED INTO LIST	BNSW	K2577829	*	REPLACEMENT*
	LA	R1,1(,R1)	NEXT IN COMMAND	BNSW	K2577830	*	REPLACED*
	LA	R1,1(,R1)	NEXT IN COMMAND	BNSW	K2577830	*	REPLACEMENT*
	B	CUJSCLS	CHECK FOR MORE	BNSW	K2577831	*	REPLACED*
	B	CUJSCLS	CHECK FOR MORE	BNSW	K2577831	*	REPLACEMENT*
	SPACE	2		BNSW	K2577832	*	REPLACED*
	SPACE	2		BNSW	K2577832	*	REPLACEMENT*
CUJCLAS	OI	CUJWFLG,CUJECLAS	'TO' CLASS OPERAND	BNSW	K2577833	*	REPLACED*
CUJCLAS	OI	CUJWFLG,CUJECLAS	'TO' CLASS OPERAND	BNSW	K2577833	*	REPLACEMENT*
	LA	R14,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW	K2577834	*	REPLACED*
	LA	R14,L'CDPCLSES	NUMBER OF VALID CLASSES	BNSW	K2577834	*	REPLACEMENT*
CUJFCLSN	IC	R0,CDPCLSES-1(R14)	GET A VALID CLASS	BNSW	K2577835	*	REPLACED*
CUJFCLSN	IC	R0,CDPCLSES-1(R14)	GET A VALID CLASS	BNSW	K2577835	*	REPLACEMENT*
	CLM	R0,1,2(R1)	IF CLASS IN LIST	BNSW	K2577836	*	REPLACED*
	CLM	R0,1,2(R1)	IF CLASS IN LIST	BNSW	K2577836	*	REPLACEMENT*
	BE	CUJHCLSN	GO STORE IT	BNSW	K2577837	*	REPLACED*
	BE	CUJHCLSN	GO STORE IT	BNSW	K2577837	*	REPLACEMENT*
	BCT	R14,CUJFCLSN	ELSE TRY NEXT	BNSW	K2577838	*	REPLACED*
	BCT	R14,CUJFCLSN	ELSE TRY NEXT	BNSW	K2577838	*	REPLACEMENT*
	B	CUJINVO	INVALID 'TO' CLASS	BNSW	K2577839	*	REPLACED*
	B	CUJINVO	INVALID 'TO' CLASS	BNSW	K2577839	*	REPLACEMENT*
	SPACE	1		BNSW	K2577840	*	REPLACED*
	SPACE	1		BNSW	K2577840	*	REPLACEMENT*
CUJHCLSN	STC	R0,CUJWNCLS	STORE NEW CLASS	BNSW	K2577841	*	REPLACED*
CUJHCLSN	STC	R0,CUJWNCLS	STORE NEW CLASS	BNSW	K2577841	*	REPLACEMENT*
	BCTR	R14,0	CLASS NO A=0,B=1,...	BNSW	K2577842	*	REPLACED*
	BCTR	R14,0	CLASS NO A=0,B=1,...	BNSW	K2577842	*	REPLACEMENT*
	STH	R14,CUJWNCLN	USE LATER TO FIND CLASS Q IN JOT NSW	BNSW	K2577843	*	REPLACED*
	STH	R14,CUJWNCLN	USE LATER TO FIND CLASS Q IN JOT NSW	BNSW	K2577843	*	REPLACEMENT*
	B	CUJLOOP	GET NEXT OPERAND	BNSW	K2577844	*	REPLACED*
	B	CUJLOOP	GET NEXT OPERAND	BNSW	K2577844	*	REPLACEMENT*
	SPACE	2		BNSW	K2577845	*	REPLACED*
	SPACE	2		BNSW	K2577845	*	REPLACEMENT*
CUJEND	DS	0H	ALL OPERANDS SCANNED	BNSW	K2577846	*	REPLACED*
CUJEND	DS	0H	ALL OPERANDS SCANNED	BNSW	K2577846	*	REPLACEMENT*
	TM	CUJWFLG,CUJECLAS+CUJEOUT C=	AND O= BOTH REQD	BNSW	K2577847	*	REPLACED*
	TM	CUJWFLG,CUJECLAS+CUJEOUT C=	AND O= BOTH REQD	BNSW	K2577847	*	REPLACEMENT*
	BNO	CUJMISS	IF NOT BOTH THERE ISSUE MSG	BNSW	K2577848	*	REPLACED*
	BNO	CUJMISS	IF NOT BOTH THERE ISSUE MSG	BNSW	K2577848	*	REPLACEMENT*
	LH	R14,CUJWNCLN	NEW CLASS NO. 0,1,2,...	BNSW	K2577849	*	REPLACED*
	LH	R14,CUJWNCLN	NEW CLASS NO. 0,1,2,...	BNSW	K2577849	*	REPLACEMENT*
	SR	R0,R0	REMOVE ANY REQUEST TO CHANGE	BNSW	K2577850	*	REPLACED*

	SR	R0,R0	REMOVE ANY REQUEST TO CHANGE	BNSW	K2577850	*	REPLACEMENT*
	STC	R0,CUJWOCLS(R14)	CLASS TO WHAT IT WAS (EG C=A,O=A)	SW	K2577851	*	REPLACED*
	STC	R0,CUJWOCLS(R14)	CLASS TO WHAT IT WAS (EG C=A,O=A)	SW	K2577851	*	REPLACEMENT*
		SPACE 2		BNSW	K2577852	*	REPLACED*
		SPACE 2		BNSW	K2577852	*	REPLACEMENT*
CUJGETQ		\$QSUSE ,	ENQUEUE	BNSW	K2577853	*	REPLACED*
CUJGETQ		\$QSUSE ,	ENQUEUE	BNSW	K2577853	*	REPLACEMENT*
		SPACE 1		BNSW	K2577854	*	REPLACED*
		SPACE 1		BNSW	K2577854	*	REPLACEMENT*
*		FIND ANY OUTPUT WHICH MATCHES THAT SPECIFIED IN THE		BNSW	K2577855	*	REPLACED*
*		FIND ANY OUTPUT WHICH MATCHES THAT SPECIFIED IN THE		BNSW	K2577855	*	REPLACEMENT*
*		COMMAND.		BNSW	K2577856	*	REPLACED*
*		COMMAND.		BNSW	K2577856	*	REPLACEMENT*
*		SCAN JOT CLASS QUEUES FOR THE REQUIRED CLASSES AND CHECK		BNSW	K2577857	*	REPLACED*
*		SCAN JOT CLASS QUEUES FOR THE REQUIRED CLASSES AND CHECK		BNSW	K2577857	*	REPLACEMENT*
*		IF THE JOES BELONG TO A REQUESTED JOB.		BNSW	K2577858	*	REPLACED*
*		IF THE JOES BELONG TO A REQUESTED JOB.		BNSW	K2577858	*	REPLACEMENT*
		SPACE 1		BNSW	K2577859	*	REPLACED*
		SPACE 1		BNSW	K2577859	*	REPLACEMENT*
	SR	WA,WA	1ST CLASS NUMBER	BNSW	K2577860	*	REPLACED*
	SR	WA,WA	1ST CLASS NUMBER	BNSW	K2577860	*	REPLACEMENT*
CUJSCNJ	SR	R1,R1		BNSW	K2577861	*	REPLACED*
CUJSCNJ	SR	R1,R1		BNSW	K2577861	*	REPLACEMENT*
	IC	R1,CUJWOCLS(WA)	GET CLASS OR 0 IF THAT CLASS	BNSW	K2577862	*	REPLACED*
	IC	R1,CUJWOCLS(WA)	GET CLASS OR 0 IF THAT CLASS	BNSW	K2577862	*	REPLACEMENT*
	LTR	R1,R1	IS NOT REQUIRED.	BNSW	K2577863	*	REPLACED*
	LTR	R1,R1	IS NOT REQUIRED.	BNSW	K2577863	*	REPLACEMENT*
	BZ	CUJENDCL	GET NEXT CLASS IF NOT REQUIRED.	BNSW	K2577864	*	REPLACED*
	BZ	CUJENDCL	GET NEXT CLASS IF NOT REQUIRED.	BNSW	K2577864	*	REPLACEMENT*
	STC	R1,CUJWCURC	KEEP CURRENT CLASS	BNSW	K2577865	*	REPLACED*
	STC	R1,CUJWCURC	KEEP CURRENT CLASS	BNSW	K2577865	*	REPLACEMENT*
	LA	R1,(JOTCLSQ-JOTDSECT)-(JOENEXT-JOEDSECT)(WA,WA)	DSP	BNSW	K2577866	*	REPLACED*
	LA	R1,(JOTCLSQ-JOTDSECT)-(JOENEXT-JOEDSECT)(WA,WA)	DSP	BNSW	K2577866	*	REPLACEMENT*
	AL	R1,\$JOTABLE	ADDR OF JOT CLASS QUEUE HEAD	BNSW	K2577867	*	REPLACED*
	AL	R1,\$JOTABLE	ADDR OF JOT CLASS QUEUE HEAD	BNSW	K2577867	*	REPLACEMENT*
	LH	WB,JOENEXT	1ST JOE OFFSET/4	BNSW	K2577868	*	REPLACED*
	LH	WB,JOENEXT	1ST JOE OFFSET/4	BNSW	K2577868	*	REPLACEMENT*
CUJNXTJO	LR	WC,R1	KEEP A(PREV JOE) (OR CLS Q HEAD)	NSW	K2577869	*	REPLACED*
CUJNXTJO	LR	WC,R1	KEEP A(PREV JOE) (OR CLS Q HEAD)	NSW	K2577869	*	REPLACEMENT*
CUJNXTJX	LR	R1,WB	NEXT/1ST JOE	BNSW	K2577870	*	REPLACED*
CUJNXTJX	LR	R1,WB	NEXT/1ST JOE	BNSW	K2577870	*	REPLACEMENT*
	N	R1,=X'0000FFFF'	ENSURE +VE	BNSW	K2577871	*	REPLACED*
	N	R1,=X'0000FFFF'	ENSURE +VE	BNSW	K2577871	*	REPLACEMENT*
	BZ	CUJENDCL	GET OUT IF NO MORE	BNSW	K2577872	*	REPLACED*
	BZ	CUJENDCL	GET OUT IF NO MORE	BNSW	K2577872	*	REPLACEMENT*
	SLL	R1,2	*4 FOR ACTUAL OFFSET	BNSW	K2577873	*	REPLACED*
	SLL	R1,2	*4 FOR ACTUAL OFFSET	BNSW	K2577873	*	REPLACEMENT*
	AL	R1,\$JOTABLE	A(JOE)	BNSW	K2577874	*	REPLACED*
	AL	R1,\$JOTABLE	A(JOE)	BNSW	K2577874	*	REPLACEMENT*
	LH	WB,JOENEXT	OFFSET FOR NEXT JOE FOR THIS CLS	NSW	K2577875	*	REPLACED*
	LH	WB,JOENEXT	OFFSET FOR NEXT JOE FOR THIS CLS	NSW	K2577875	*	REPLACEMENT*
	TM	JOEFLAG,\$JOEPRT	IF PRINTING	BNSW	K2577876	*	REPLACED*

	TM	JOEFLAG,\$JOEPRT	IF PRINTING	BNSW K2577876	*	REPLACEMENT*
	BO	CUJNXTJO	THEN DONT TOUCH IT	BNSW K2577877	*	REPLACED*
	BO	CUJNXTJO	THEN DONT TOUCH IT	BNSW K2577877	*	REPLACEMENT*
		SPACE 1		BNSW K2577878	*	REPLACED*
		SPACE 1		BNSW K2577878	*	REPLACEMENT*
*		WE HAVE FOUND OUTPUT OF A MATCHING CLASS, NOW CHECK JOB		BNSW K2577879	*	REPLACED*
*		WE HAVE FOUND OUTPUT OF A MATCHING CLASS, NOW CHECK JOB		BNSW K2577879	*	REPLACEMENT*
	LH	R14,JOEJQE	JQE OFFSET/4	BNSW K2577880	*	REPLACED*
	LH	R14,JOEJQE	JQE OFFSET/4	BNSW K2577880	*	REPLACEMENT*
	N	R14,=X'0000FFFF'	ENSURE +	BNSW K2577881	*	REPLACED*
	N	R14,=X'0000FFFF'	ENSURE +	BNSW K2577881	*	REPLACEMENT*
	SLL	R14,2	ACTUAL OFFSET	BNSW K2577882	*	REPLACED*
	SLL	R14,2	ACTUAL OFFSET	BNSW K2577882	*	REPLACEMENT*
	AL	R14,\$JOBQPTR	A(JQE)	BNSW K2577883	*	REPLACED*
	AL	R14,\$JOBQPTR	A(JQE)	BNSW K2577883	*	REPLACEMENT*
	LH	R15,JQEJOBNO-JQEDSECT(R14)	GET JOB NUMBER AND	BNSW K2577884	*	REPLACED*
	LH	R15,JQEJOBNO-JQEDSECT(R14)	GET JOB NUMBER AND	BNSW K2577884	*	REPLACEMENT*
	CH	R15,CUJWJLO	CHECK	BNSW K2577885	*	REPLACED*
	CH	R15,CUJWJLO	CHECK	BNSW K2577885	*	REPLACEMENT*
	BL	CUJNXTJO	RANGE	BNSW K2577886	*	REPLACED*
	BL	CUJNXTJO	RANGE	BNSW K2577886	*	REPLACEMENT*
	CH	R15,CUJWJHI	OF	BNSW K2577887	*	REPLACED*
	CH	R15,CUJWJHI	OF	BNSW K2577887	*	REPLACEMENT*
	BH	CUJNXTJO	JOBNUMBERS	BNSW K2577888	*	REPLACED*
	BH	CUJNXTJO	JOBNUMBERS	BNSW K2577888	*	REPLACEMENT*
		SPACE 2		BNSW K2577889	*	REPLACED*
		SPACE 2		BNSW K2577889	*	REPLACEMENT*
*		DO ACTUAL SWAP.		BNSW K2577890	*	REPLACED*
*		DO ACTUAL SWAP.		BNSW K2577890	*	REPLACEMENT*
	OI	CUJWFLG,CUJEDONE	INDICATE JOT UPDATED	BNSW K2577891	*	REPLACED*
	OI	CUJWFLG,CUJEDONE	INDICATE JOT UPDATED	BNSW K2577891	*	REPLACEMENT*
		SPACE 1		BNSW K2577892	*	REPLACED*
		SPACE 1		BNSW K2577892	*	REPLACEMENT*
*		WC HAS ADDR OF PREV JOE OR CLASS QUEUE HEADER		BNSW K2577893	*	REPLACED*
*		WC HAS ADDR OF PREV JOE OR CLASS QUEUE HEADER		BNSW K2577893	*	REPLACEMENT*
*		WB HAS NEXT JOE OFFSET		BNSW K2577894	*	REPLACED*
*		WB HAS NEXT JOE OFFSET		BNSW K2577894	*	REPLACEMENT*
	STH	WB,JOENEXT-JOEDSECT(WC)	TAKE JOE OFF 'FROM' QUEUE	BNSW K2577895	*	REPLACED*
	STH	WB,JOENEXT-JOEDSECT(WC)	TAKE JOE OFF 'FROM' QUEUE	BNSW K2577895	*	REPLACEMENT*
	LH	R14,CUJWNCLN	NEW ('TO') CLASS NO 0,1,2,...	BNSW K2577896	*	REPLACED*
	LH	R14,CUJWNCLN	NEW ('TO') CLASS NO 0,1,2,...	BNSW K2577896	*	REPLACEMENT*
	LA	R14,JOTCLSQ-JOTDSECT(R14,R14)	DISP OF CLASS Q	BNSW K2577897	*	REPLACED*
	LA	R14,JOTCLSQ-JOTDSECT(R14,R14)	DISP OF CLASS Q	BNSW K2577897	*	REPLACEMENT*
	AL	R14,\$JOTABLE	A(CLASS Q HEADER)	BNSW K2577898	*	REPLACED*
	AL	R14,\$JOTABLE	A(CLASS Q HEADER)	BNSW K2577898	*	REPLACEMENT*
	MVC	JOENEXT,0(R14)	HOOK REST OF Q ONTO THIS JOE	BNSW K2577899	*	REPLACED*
	MVC	JOENEXT,0(R14)	HOOK REST OF Q ONTO THIS JOE	BNSW K2577899	*	REPLACEMENT*
	MVC	JOECURCL,CUJWNCLS	NEW CLASS TO JOE	BNSW K2577900	*	REPLACED*
	MVC	JOECURCL,CUJWNCLS	NEW CLASS TO JOE	BNSW K2577900	*	REPLACEMENT*
	SL	R1,\$JOTABLE	JOE OFFSET	BNSW K2577901	*	REPLACED*
	SL	R1,\$JOTABLE	JOE OFFSET	BNSW K2577901	*	REPLACEMENT*
	SRL	R1,2	/4	BNSW K2577902	*	REPLACED*

	SRL	R1,2	/4	BNSW	K2577902	*	REPLACEMENT*
	STH	R1,0(R14)	JOE ONTO 'TO' Q	BNSW	K2577903	*	REPLACED*
	STH	R1,0(R14)	JOE ONTO 'TO' Q	BNSW	K2577903	*	REPLACEMENT*
	SLL	R1,2	*4 OFFSET AGAIN	BNSW	K2577904	*	REPLACED*
	SLL	R1,2	*4 OFFSET AGAIN	BNSW	K2577904	*	REPLACEMENT*
	\$#CKPT	JOE=(R1),TYPE=D	REQUEST CHKPT OF CURRENT JOE	BNSW	K2577905	*	REPLACED*
	\$#CKPT	JOE=(R1),TYPE=D	REQUEST CHKPT OF CURRENT JOE	BNSW	K2577905	*	REPLACEMENT*
	\$#CKPT	JOE=(WC),TYPE=A	REQ CHKPT OF PREV JOE OR Q HEADER SW	K2577906	*	REPLACED*	
	\$#CKPT	JOE=(WC),TYPE=A	REQ CHKPT OF PREV JOE OR Q HEADER SW	K2577906	*	REPLACEMENT*	
	B	CUJNXTJX	GET NEXT - PREVIOUS REMAINS SAME NSW	K2577907	*	REPLACED*	
	B	CUJNXTJX	GET NEXT - PREVIOUS REMAINS SAME NSW	K2577907	*	REPLACEMENT*	
	SPACE	2		BNSW	K2577908	*	REPLACED*
	SPACE	2		BNSW	K2577908	*	REPLACEMENT*
CUJENDCL	LA	WA,1(,WA)	NEXT CLASS NUMBER	BNSW	K2577909	*	REPLACED*
CUJENDCL	LA	WA,1(,WA)	NEXT CLASS NUMBER	BNSW	K2577909	*	REPLACEMENT*
	LA	R1,L'CUJWOCLS	NUMBER OF CLASSES	BNSW	K2577910	*	REPLACED*
	LA	R1,L'CUJWOCLS	NUMBER OF CLASSES	BNSW	K2577910	*	REPLACEMENT*
	CR	WA,R1	IF NOT AT END	BNSW	K2577911	*	REPLACED*
	CR	WA,R1	IF NOT AT END	BNSW	K2577911	*	REPLACEMENT*
	BNE	CUJSCNJ	DO NEXT CLASS	BNSW	K2577912	*	REPLACED*
	BNE	CUJSCNJ	DO NEXT CLASS	BNSW	K2577912	*	REPLACEMENT*
	SPACE	1		BNSW	K2577913	*	REPLACED*
	SPACE	1		BNSW	K2577913	*	REPLACEMENT*
*			AT END OF SCAN CHECK IF JOT HAS BEEN UPDATED	BNSW	K2577914	*	REPLACED*
*			AT END OF SCAN CHECK IF JOT HAS BEEN UPDATED	BNSW	K2577914	*	REPLACEMENT*
	TM	CUJWFLG,CUJEDONE	IF JOT NOT UPDATED	BNSW	K2577915	*	REPLACED*
	TM	CUJWFLG,CUJEDONE	IF JOT NOT UPDATED	BNSW	K2577915	*	REPLACEMENT*
	BNO	CUJNOCH	ISSUE MSG + GET OUT	BNSW	K2577916	*	REPLACED*
	BNO	CUJNOCH	ISSUE MSG + GET OUT	BNSW	K2577916	*	REPLACEMENT*
	SPACE	1		BNSW	K2577917	*	REPLACED*
	SPACE	1		BNSW	K2577917	*	REPLACEMENT*
	LH	R1,CUJWNCLN	'TO' CLASS NO. 0,1,2...	BNSW	K2577918	*	REPLACED*
	LH	R1,CUJWNCLN	'TO' CLASS NO. 0,1,2...	BNSW	K2577918	*	REPLACEMENT*
	LA	R1,JOTCLSQ-JOTDSECT(R1,R1)	DISP OF Q HEADER	BNSW	K2577919	*	REPLACED*
	LA	R1,JOTCLSQ-JOTDSECT(R1,R1)	DISP OF Q HEADER	BNSW	K2577919	*	REPLACEMENT*
	\$#CKPT	JOE=(R1),TYPE=D	REQ CHPKT OF 'TO' Q HEADER	BNSW	K2577920	*	REPLACED*
	\$#CKPT	JOE=(R1),TYPE=D	REQ CHPKT OF 'TO' Q HEADER	BNSW	K2577920	*	REPLACEMENT*
	\$POST	\$HASPECF,(JOT,CKPW)	POST JOT AND REQUEST CHKPT WRITE NSW	K2577921	*	REPLACED*	
	\$POST	\$HASPECF,(JOT,CKPW)	POST JOT AND REQUEST CHKPT WRITE NSW	K2577921	*	REPLACEMENT*	
	SPACE	1		BNSW	K2577922	*	REPLACED*
	SPACE	1		BNSW	K2577922	*	REPLACEMENT*
	\$CRET	MSG='SYSOUT CLASS/ES CHANGED'	ISSUE MSG + RETURN	BNSW	K2577923	*	REPLACED*
	\$CRET	MSG='SYSOUT CLASS/ES CHANGED'	ISSUE MSG + RETURN	BNSW	K2577923	*	REPLACEMENT*
	SPACE	1		BNSW	K2577924	*	REPLACED*
	SPACE	1		BNSW	K2577924	*	REPLACEMENT*
CUJNOCH	\$CRET	MSG='NO OUTPUT FOUND'	RETURN WITH MSG	BNSW	K2577925	*	REPLACED*
CUJNOCH	\$CRET	MSG='NO OUTPUT FOUND'	RETURN WITH MSG	BNSW	K2577925	*	REPLACEMENT*
	SPACE	2		BNSW	K2577926	*	REPLACED*
	SPACE	2		BNSW	K2577926	*	REPLACEMENT*
	*****			BNSW	K2577927	*	REPLACED*
	*****			BNSW	K2577927	*	REPLACEMENT*
*				BNSW	K2577928	*	REPLACED*

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*      END OF 'COMMAND' USED AS WORK AREA      BNSW K2577928      *      REPLACEMENT*
*      END OF 'COMMAND' USED AS WORK AREA      BNSW K2577929      *      REPLACED*
*
*      BNSW K2577930      *      REPLACEMENT*
*      BNSW K2577930      *      REPLACED*
CUJWNCLN EQU  COMMAND+80,2      NEW ('TO') CLASS NUMBER      BNSW K2577931      *      REPLACED*
CUJWNCLN EQU  COMMAND+80,2      NEW ('TO') CLASS NUMBER      BNSW K2577931      *      REPLACEMENT*
CUJWJLO EQU  CUJWNCLN+L'CUJWNCLN,2      LO JOB NO.      BNSW K2577932      *      REPLACED*
CUJWJLO EQU  CUJWNCLN+L'CUJWNCLN,2      LO JOB NO.      BNSW K2577932      *      REPLACEMENT*
CUJWJHI EQU  CUJWJLO+L'CUJWJLO,2      HI JOB NO.      BNSW K2577933      *      REPLACED*
CUJWJHI EQU  CUJWJLO+L'CUJWJLO,2      HI JOB NO.      BNSW K2577933      *      REPLACEMENT*
CUJWCURC EQU  CUJWJHI+L'CUJWJHI,1      CURRENT CLASS      BNSW K2577934      *      REPLACED*
CUJWCURC EQU  CUJWJHI+L'CUJWJHI,1      CURRENT CLASS      BNSW K2577934      *      REPLACEMENT*
CUJWNCLS EQU  CUJWCURC+L'CUJWCURC,1      NEW ('TO') CLASS      BNSW K2577935      *      REPLACED*
CUJWNCLS EQU  CUJWCURC+L'CUJWCURC,1      NEW ('TO') CLASS      BNSW K2577935      *      REPLACEMENT*
CUJWOCLS EQU  CUJWNCLS+L'CUJWNCLS,L'CDPCLSES OLD ('FROM') CLASSES      BNSW K2577936      *      REPLACED*
CUJWOCLS EQU  CUJWNCLS+L'CUJWNCLS,L'CDPCLSES OLD ('FROM') CLASSES      BNSW K2577936      *      REPLACEMENT*
CUJWFLG EQU  CUJWOCLS+L'CUJWOCLS,1      FLAG BYTE:      BNSW K2577937      *      REPLACED*
CUJWFLG EQU  CUJWOCLS+L'CUJWOCLS,1      FLAG BYTE:      BNSW K2577937      *      REPLACEMENT*
CUJECLAS EQU  X'80'      C= FOUND      BNSW K2577938      *      REPLACED*
CUJECLAS EQU  X'80'      C= FOUND      BNSW K2577938      *      REPLACEMENT*
CUJEOUT EQU  X'40'      O= FOUND      BNSW K2577939      *      REPLACED*
CUJEOUT EQU  X'40'      O= FOUND      BNSW K2577939      *      REPLACEMENT*
CUJEDONE EQU  X'20'      JOT UPDATED      BNSW K2577940      *      REPLACED*
CUJEDONE EQU  X'20'      JOT UPDATED      BNSW K2577940      *      REPLACEMENT*
*      BNSW K2577941      *      REPLACED*
*      BNSW K2577941      *      REPLACEMENT*
*****      BNSW K2577942      *      REPLACED*
*****      BNSW K2577942      *      REPLACEMENT*
      SPACE 2      BNSW K2577943      *      REPLACED*
      SPACE 2      BNSW K2577943      *      REPLACEMENT*
      POP USING      BACK TO WHAT IT WAS      BNSW K2577944      *      REPLACED*
      POP USING      BACK TO WHAT IT WAS      BNSW K2577944      *      REPLACEMENT*
      SPACE 2      BNSW K2577945      *      REPLACED*
      SPACE 2      BNSW K2577945      *      REPLACEMENT*
      LTORG      BNSW K2577946      *      REPLACED*
      LTORG      BNSW K2577946      *      REPLACEMENT*
*****      BNSW K2577947      *      REPLACED*
*****      BNSW K2577947      *      REPLACEMENT*

```

IEB816I MEMBER NAME (HASPCOMM) FOUND IN NM DIRECTORY. TTR IS NOW ALTERED.

IEB818I HIGHEST CONDITION CODE WAS 00000000

IEB819I END OF JOB IEBUPDTE.

HMA4240 HMASMP EXEC PARM = 'DATE=U'
APPLY

SELECT(WM00017)
DIS(WRITE)
COMPRESS(ALL)

HMA4140 SMPDCS DIRECTORY SUCCESSFULLY LOADED FOR IN-STORAGE UPDATE OPERATIONS

HMA3030 COMPRESS SUCCESSFUL - LIBRARY=LINKLIB - RETURN CODE=00

HMA3030 COMPRESS SUCCESSFUL - LIBRARY=SMPSTS - RETURN CODE=00

HMA3030 COMPRESS SUCCESSFUL - LIBRARY=SMPPTS - RETURN CODE=00

HMA2160 UPDATE SUCCESSFUL - MEMBER=HASPCOMM - LIBRARY=SMPSTS - SYSMOD=WM00017 - RETURN CODE=00

HMA2400 ASSEMBLY SUCCESSFUL - MOD=HASPCOMM - LIBRARY=SMPSTS - SYSMOD=WM00017 - RETURN CODE=00

HMA2390 LINK SUCCESSFUL - MOD=HASPCOMM - LMOD=HASJES20 - LIBRARY=LINKLIB - SYSMOD=WM00017 - RETURN CODE=00

HMA2270 APPLY PROCESSING SUCCESSFULLY COMPLETED FOR SYSMOD WM00017

HMA3680 SMPDCS IN STORAGE DIRECTORY SUCCESSFULLY REWRITTEN

HMA2050 APPLY PROCESSING COMPLETED - HIGHEST RETURN CODE IS 00

SYSMOD STATUS REPORT FOR APPLY PROCESSING

NOTE: '-' INDICATES THE REQUISITE SYSMOD CONDITION IS NOT SATISFIED
'*' INDICATES THE NON SATISFIED REQUISITE SYSMOD CONDITION IS BYPASSED

SYSMOD	STATUS	TYPE	FMID	REQUISITE AND SUPEDBY SYSMODS
WM00017	APPLIED	USERMOD	EJE1103	PRE UZ31176 UZ33158 UZ35334 UZ37263 UZ54837 UZ57911 UZ63374 UZ65742 UZ71437 UZ79531

ELEMENT SUMMARY REPORT FOR APPLY PROCESSING

ELEM TYPE	ELEMENT NAME	ELEM STATUS	CURRENT FMID	CURRENT RMID	MAC/SRC SYSLIB	DISTSRC LIBRARY	ASSEM NAMES	LOAD MOD	---LMOD	SYSLIB---	SYSMOD NAME	SYSMOD STATUS
SUPD	HASPCOMM	APPLIED	EJE1103		SMPSTS		HASPCOMM	HASJES20		LINKLIB	WM00017	APPLIED

HMA2050 HMASMP PROCESSING COMPLETED - HIGHEST RETURN CODE IS 00